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UNIVERSITY OF LONDON

UNIVERSITY COLLEGE ANNUAL REPORT 1965-1966

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OFFICERS OF THE COLLEGE

CHAIRMAN OF THE COLLEGE COMMITTEE

THE RIGHT HON. LORD STRANG,
G.C.B., G.C.M.G., M.B.E., B.A., LL.D.

VICE-CHAIRMAN OF THE COLLEGE COMMITTEE

F. J. STEPHENS, M.A.

TREASURER

SIR BERNARD WALEY-COHEN, BT, LL.D.

PROVOST

SIR IFOR EVANS, D.LIT.

SECRETARY

A. TATTERSALL, M.A.

REPORT OF THE CHAIRMAN OF THE COLLEGE COMMITTEE AND THE PROVOST

The financial position, both on the capital and recurrent side, which faces the College, along with all other university institutions, has meant a close scrutiny of all expenditure and the restriction and slowing-up of some much desired developments. Nor is there apparent any alleviation of this position but rather a more difficult situation for at least the next two or three years. What is impressive is that under these conditions the College has exercised considerable ingenuity in providing for some at least of its more important projects.

The College has again been successful in meeting the appeal to provide more student places and has achieved an increase of almost eight per cent in the session 1965–66 to a population of 4,698. It has maintained its position in attracting new undergraduates by reaching its target for the session, representing a further increase in intake of 5·3 per cent. Nearly 1,500 students, 32 per cent of the total, are undertaking postgraduate research or following postgraduate courses of study, an increase of 191 or 14·6 per cent over the previous session.

The session has seen a considerable development in the number of courses, both undergraduate and postgraduate, for which students follow syllabuses drawn up by the College. Special regulations have been introduced for students of the College preparing for the B.Sc. (Econ.) and LL.B. degrees, and syllabuses have also been approved, or approval is being sought, for the new one-year Master's degree in fields previously covered by College diploma courses, such as Conservation, Micropalaeontology, Surveying, Photogrammetry, and Biochemical and Microwave Engineering. The College is also taking an active part in developing Combined Honours courses in the Faculty of Arts.

Developments in the area of College courses to which allusion was made in last year's Report have been awaiting the publication of the official report of the Committee on Academic Organisation set up by the University under the chairmanship of Professor Sir Owen Saunders. This report was communicated to Colleges shortly before the end of the session and comments were invited to be submitted to the University by mid-November 1966. It is not possible therefore to say with certainty what is going to happen and when; for the moment, perhaps it might suffice to say that the Saunders Report

gives promise of far-reaching and desirable changes, very much on the lines of the hopes expressed in the last three years by this College.

Reference was made in the last Report to the acquisition by the College of 4-8 Endsleigh Gardens by means of a capital grant from the University Grants Committee and a generous gift from the Max Rayne Foundation. The building was occupied by the Faculty of Laws, and formally opened by the Lord Chief Justice of England, Lord Parker of Waddington, on 2 May 1966. The accommodation formerly occupied by the Faculty at 33-35 Torrington Place is now used by other departments.

19 Dukes Road, having a floor area of some 13,400 square feet adjoining Flaxman House, was taken on lease. It will be used to accommodate parts of the Departments of Town Planning and Architecture, Physics, and the Slade School. A lease was also negotiated for the second floor of R.T.B. House in Gower Street, which will be occupied by a section of the Department of Chemistry.

Within the College rectangle the construction of the extension to the Physics Building was completed and work on the first stage of the Central Collegiate Building is in progress. The construction of Stage IV of the Engineering Building, an extension to the Medical Sciences Building, and the conversion of the National Central Library and Chaucer House for College use all started during the year. On the east side of Gordon Street the first stage of the new Chemistry Building was begun during the summer.

On the Whitcher Place site in Camden Town the construction of the Ifor Evans Hall for 219 men students commenced. Work was also started on a hostel for 87 men and 46 women students at 455-473 Oxford Street. The freehold of 28 Lyndhurst Road was purchased and negotiations are nearing completion for a lease of the adjoining upper part of 27 Lyndhurst Road. The properties will be used as a hostel for about forty women students.

To the Department of Civil and Municipal Engineering financial support was offered by various bodies, including the Greater London Council, Rees Jeffreys Road Fund, Shellmex-B.P., the Automobile Association, and International Computers and Tabulators Limited, to initiate a Chair of Traffic Studies and to support the work of a research group. The Chair was established early in the session and Dr R. J. Smeed, Chief Scientist at the Ministry of Land and Natural Resources and formerly Deputy Director (Traffic and Safety) of the Road Research Laboratories, was appointed to it in January 1966. Professor Smeed has taken over responsibility for teaching and research in traffic engineering in the Department of Civil and

Municipal Engineering and is in close collaboration with the Bartlett School of Architecture, where work is being done on certain aspects of motorway construction, and also with the Departments of Town Planning, Statistics, and Political Economy.

A Chair of the Economics of Town Planning was established in the course of the session and will be filled in October 1966 by the appointment of Dr N. Lichfield, previously a Special Lecturer in the Department of Town Planning. In presenting to the College a policy statement for the establishment of this Chair, Professor Lord Holford wrote: 'Town planning as an administrative arm of government, local and central, has produced a great deal of post-war legislation in this country, but not much systematic thinking. It is vital that background theory and operational research should be encouraged in university departments already looking in this direction. Some pioneer work in the subject has been done at University College and could be strengthened; and political economy, traffic engineering, environmental studies, conservation, and planning law are other subjects that might be interested in having the study of urban economics carried on in the College.'

A second Chair of English Law and a second Chair of Physiology were also established and will be filled in the session 1966–67. The former Department of Eugenics, Biometry and Genetics was divided into two Departments—Human Genetics and Biometry under Professor H. Harris and Animal Genetics under Professor H. Grüneberg.

There have been two interesting developments on the side of the humanities. The study of the History of Art has long been associated with the Slade School of Fine Art. With Professor L. D. Ettlinger's appointment the Chair was placed on a full-time basis, and now he will direct a separate Department of the History of Art while still maintaining close contacts with the Slade School. The Department of General Linguistics was established under the headship of Professor M. A. K. Halliday, who is also the Director of the Communication Research Centre.

The College Committee at their meeting in March 1966 set up an interfaculty committee to examine the position in regard to teaching and research in Social Studies in the College. It has surveyed existing activities in the field of Social Studies spread over a number of departments and the likely need for the development of such studies on a more formal basis during the ensuing years. It will proceed to make more precise proposals during next session.

Much time this year has been spent by many members of the

College staff, and in particular by Professor M. J. Seaton and Dr M. J. Esten of the Department of Physics, in pursuing the proposal, which was endorsed by the Flowers Committee, that an IBM 360/H65 computer should be installed at this College with provision for its use by other colleges of the University as well as by ourselves. Financial limitations made it very difficult for the University Grants Committee to find the total capital cost of what was thought to be the right basic installation and ancillary facilities, but after long negotiation, and with substantial help from the University, a reasonably satisfactory solution was arrived at. Unfortunately, the University Grants Committee's means did not run to an earmarked grant for the operation of the computer for its first quinquennium, yet the College felt that such an earmarked grant was the only equitable solution at a time when money for any form of academic development was clearly going to be scarce. After much anxious discussion with the University, a formula has been evolved which will give this College rather less, and other colleges rather more, of the computer's time than had been envisaged, but will relieve the College of the financial burden of the computer's operation. This solution has come as a considerable relief, since much vital research in the College is going to depend on ready access to the most up-to-date computer facilities (indeed, it would be impossible without such facilities for the College to maintain its leading place in a number of fields), but the impact of running such a computer on College finances alone could have been crippling.

The University Grants Committee cost analysis exercise, under which, to quote the Chairman of the Committee of Vice-Chancellors and Principals, ' Universities are required to allocate a non-measureable quantity called " effort " between a non-exhaustive set of categories ', has caused a good deal of misgiving among our heads of departments, not merely about the use that may be made of the results of the enquiry but about the unscientific way in which they were required to divide their effort. What most disturbed many colleagues was the assumption that it is possible to draw a line between teaching and research. The enquiry has imposed a very heavy burden both on academic and administrative staff. In a laudable attempt to produce a better alternative, the Committee of Vice-Chancellors and Principals has sponsored an exercise of its own, running parallel with the University Grants Committee exercise; and this seems likely to cause at least our administrative staff as much work as the University Grants Committee's enquiry, although it may be a little more readily undertaken, as being based on sounder principles. The whole

episode illustrates the price that it seems must be paid for the financing of universities by the State.

The income of the College for 1965–66 amounted to £4,581,348, an increase of £604,848 over 1964–65. The main features of this large increase were a supplementary addition to the block grant of £135,000 for the implementation of the Robbins programme; £82,000 for the normal annual increase in the grant; £52,949 for increased rating liabilities; and £16,075 increased fees arising from the increased number of undergraduate and postgraduate students.

Expenditure also increased on a corresponding scale: it reached £4,586,855, inclusive of the cost of researches borne by outside grants which totalled £757,530 as compared with £664,655 in 1964–65. The number of active research projects reached 337, an increase of 49.

Capital grants announced for the year amounted to £1,260,927, as compared with £1,354,234 in the previous year. Claims against these and earlier capital grants in reimbursement of expenditure incurred amounted to £1,242,386 (£723,082 in 1964–65).

During the session 1965–66 the Association of Friends of University College made a gift of £450 to the College for the purchase of a portrait of Jeremy Bentham, a copy of which is in the National Portrait Gallery. A grant of £100 has also been made towards the purchase of a series of Orwell letters for the George Orwell Archive established in the Library some time ago. In addition, the Friends have again assisted with the Flaxman Catalogue project by a grant of £550 for completion of photographic plates and a £400 subsidy to the Athlone Press for publication of the catalogue. A further grant of £50 has been made to the Film Society towards the increased cost of recording important College activities, most of which are included in the Film Society's twice-yearly newsreels. The provision of amenities for the Central Collegiate Building and for additional student residential accommodation is now the main aim of the Association.

STRANG, *Chairman*

IFOR EVANS, *Provost*

To universal regret, Sir Ifor Evans retired on 30 September 1966 after a memorable fifteen years' tenure of the office of Provost of the College. His colleagues thought long how best to convey to him their sense of the immense debt which the College owes to him and to Lady Evans. They decided in the end to present him, at a dinner in College on 14 June 1966, with an Address, composed by Professor James Sutherland, inscribed under the care of the Slade School by

Anthony Wood, bound under the care of the Library by J. C. Vivian, and signed by nearly a thousand of his colleagues of all ranks in the College.

In addition, in order to mark his outstanding achievement in the sphere of student accommodation, the College Committee decided, with the agreement of the anonymous donor, that the first students' hostel which is to be built in Whitcher Place, Camden Town, shall be named the 'Ifor Evans Hall'.

On 23 June 1966, Sir Ifor appeared at the Assembly of Faculties in the guise of Special Visitor and, by invitation, delivered the customary Address. He was thanked by Professor Sir Harrie Massey, on behalf of the academic staff, and by Ashley Hill, President of the Union, on behalf of the students.

The Union, for their part, gave a farewell dinner to Sir Ifor and Lady Evans to which were invited, among others, past Presidents of the Union.

The Professorial Board and the Finance Committee both placed on formal record their gratitude to Sir Ifor, and at their meeting on 5 July 1966, the College Committee resolved:

To convey to the Provost the College Committee's gratitude for his wise, humane and witty guidance over many years; their pride when they consider how the merit, renown and happiness of the College have grown under his Provostship; their regret that this should be the last time that they will see him at their meetings; their assurance that his name will always be treasured in their affections; and their hope that he and Lady Evans will find every happiness in their retirement.

These formal tributes and gestures can in no way convey the sense of immeasurable loss that is felt throughout the College at Sir Ifor's departure. This was, uniquely, his own College, which he had graced as a student and led as its Provost. His contributions have been many-sided, but have been marked above all by his concern for human relations, for the welfare of students and staff, and for the quality of the College's contribution in the world of learning.

As recorded in the last Report, Lord Annan, Provost of King's College, Cambridge, was appointed to succeed Sir Ifor Evans as from 1 October 1966. The appointment of so eminent a scholar, a man of such vivid personality and intellectual vitality, was warmly welcomed by the College, and he gave a brilliant foretaste of his quality in the Foundation Oration on 'Bloomsbury and Leavis', delivered on 17 March 1966.

STRANG, *Chairman*

SUPPLEMENT

HONOURS AND DISTINCTIONS

The 1966 New Year Honours included the conferment of the Order of C.B.E. on the following: W. S. A. Atkins, Fellow of the College and Chairman of W. S. Atkins and Partners, for services to Export; Emeritus Professor L. F. Bates, Senior Regional Scientific Adviser for the North Midland Civil Defence Region and a former member of the staff of the Department of Physics; Professor E. H. J. Gombrich, Director of the Warburg Institute and Professor of the History of the Classical Tradition in the University of London, formerly Durning-Lawrence Professor of the History of Art at the College; and J. A. Jaggers, Assistant Secretary, Atomic Weapons and Research, Ministry of Aviation, a former student of Chemistry.

The names of further past and present members of the College appeared in the Queen's Birthday Honours List. William Dobell, at one time a student in the Slade School of Fine Art, received a Knighthood for services to Art, particularly as a landscape and portrait painter. The Order of C.M.G. was conferred on S. J. Gross, Counsellor in the British High Commission in Accra, a former History student, and the Order of C.B.E. on the following: Professor F. W. R. Brambell, Lloyd Roberts Professor of Zoology in the University College of North Wales, Bangor, and a Fellow of this College; R. A. Elliott, Deputy Chief Engineer in the Ministry of Housing and Local Government, a former Engineering student; F. E. McWilliam, sculptor, who was at one time a student of the Slade School and a member of its staff for many years; and Professor R. J. Smeed, Professor of Traffic Studies at the College and formerly Deputy Director of the Traffic Division of the Road Research Laboratory in the Ministry of Transport.

In the 1966 General Election several former students were elected or re-elected as Members of Parliament. Two former History students were re-elected: Mrs Freda Corbet (née Mansell) for Peckham, and A. S. Newens for Epping. Seats were won for the first time by P. K. Archer for Rowley Regis and Tipton and by A. W. Lyon for York. The former was a student of Philosophy and the latter of Laws.

Among the many interesting and important appointments obtained by others associated with the College were those of Lord Bowles as Captain of the Yeomen of the Guard; Sir Robin Darwin as Rector of the Royal College of Art; Lord Goodman as Joint Chairman of an inquiry into opera and ballet in Great Britain set up

by the Arts Council; Professor J. A. B. Gray as second Secretary of the Medical Research Council; Professor Lord Llewelyn-Davies as Chairman of the governing body of the new Centre for Environmental Studies; Sir John Summerson as a Trustee of the National Portrait Gallery; Dr Mary Woodall as a member of the Council for Industrial Design; Professor Lord Lloyd of Hampstead as Chairman of a committee to consider the need for a national film school, and Professor Sir William Coldstream as a member of the committee. The latter was also re-appointed as Chairman of the British Film Institute for a further period of three years. Lord Annan, Lord Goodman, and Professor Lord Lloyd were appointed members of the Joint Committee on Theatre Censorship. Three former students of the Faculty of Laws obtained important legal appointments: Mr Reginald Goff as a Judge of the High Court of Justice assigned to the Chancery Division, Mr G. G. Slack as a County Court Judge, and Mr Sebag Shaw as a member of the General Council of the Bar.

Lord Robbins was re-elected President, and Professor Daryll Forde became a Fellow of the British Academy. Professor H. Harris, Professor Emeritus E. S. Pearson, and Professor H. O. Schild were elected Fellows of the Royal Society, also Dr R. A. Kekwick, formerly a student of Chemistry and member of staff in the Department of Physiology and Biochemistry, and Dr Lillian M. Pickford, a former research student and at one time member of staff in the Departments of History and Method of Science and Pharmacology. Professor M. S. Bartlett and two Fellows of the College—Dr L. Rotherham and Professor Sir Solly Zuckerman—were elected to the Council of the Royal Society. Professor Bartlett was elected also as President of the Royal Statistical Society, J. C. Eastwick-Field, a former student of Architecture, as President of the Architectural Association, D. B. G. Gabriel, another former student, as Master of the Scriveners' Company, and Sir Bernard Waley-Cohen to the Court of the Clothworkers' Company.

The following were honoured by election to foreign academies: Professor H. E. M. Barlow as a Member of the Polish Academy of Sciences, Professor Emeritus Sir Christopher Ingold as an Honorary Member of the Royal Irish Academy in the Section of Science, Professor R. Weiss as a Corresponding Fellow of the Istituto Veneto di Scienze, Lettere ed Arti. Professor Elizabeth M. Wilkinson was elected an Honorary Member of the Modern Language Association of America.

Honorary degrees were conferred on past and present members of the College as follows: the D.Sc. of the University of Chicago on

Professor M. S. Bartlett, the Sc.D. of the University of Dublin on Professor F. W. R. Brambell, the D.Sc. of the University of Aston on J. G. Collingwood, the D.Litt. of the University of Exeter on Sir Frank Francis, the D.Litt. of the University of Newcastle on Professor R. A. Humphreys, the Litt.D. of the University of Southampton on Dr D. G. James, the LL.D. of the University of Sheffield on Professor G. W. Keeton, the Doctor of Philosophy *honoris causa* of the University of Uppsala on Professor W. R. Mead, the LL.D. of the University of Glasgow on Sir Peter Medawar, the D.Litt. of the University of Strathclyde and a doctorate of the University of York on Lord Robbins, the D.Litt. of the University of Keele on Dr C. Veronica Wedgwood, the LL.D. of Smith College, Massachusetts, on Professor Elizabeth M. Wilkinson, and the D.Sc. of McGill University on Professor J. Z. Young.

Professor Emeritus A. V. Hill was presented with the key of the City by the Governors of Tokyo Metropolis, Professor R. G. Hopkinson received the premier award of the Illuminating Engineering Society, and B. B. Boycott was awarded the Zoological Society of London's Scientific Medal for 1965 for work on vertebrate and cephalopod nervous systems.

APPOINTMENTS

Within the College at the beginning of the session, Professor H. Harris came to the Galton Chair of Human Genetics from King's College London where he held the Chair of Biochemistry, Dr P. N. Rowe, formerly Principal Scientific Officer at the Atomic Energy Research Establishment, Harwell, to the Ramsay Memorial Chair of Chemical Engineering, and D. A. Turin, previously Chief of the Housing, Building and Planning Section of the United Nations Economic Commission for Africa, to the London Master Builders Chair of Building. Dr M. A. K. Halliday, Director of the Communication Research Centre in the College, while continuing to hold this post was appointed to the new Chair of General Linguistics, J. Spraos, formerly Reader in Political Economy, to the second Chair of Political Economy, and Dr R. J. Audley, formerly Reader in Psychology, to the second Chair of Psychology, In January 1966, Dr R. J. Smeed was appointed to the new Chair of Traffic Studies. Members of the non-professorial staff who became professors by conferment of title were Dr J. T. Aitken, Professor of Anatomy, H. Billett, Professor of Mechanical Engineering, Dr Marian E. A. Bowley, Professor of Political Economy, Dr T. Estermann, Pro-

fessor of Mathematics, Dr A. L. Greenbaum, Professor of Biochemistry, Dr R. Miledi, Professor of Biophysics, and Dr D. R. Wilkie, Professor of Experimental Physiology. The following were appointed to established Readerships: Dr A. P. Mathias (Biochemistry), and Dr R. F. Stebbings (Physics). The title of Reader was conferred on Dr J. A. Barnard (Chemical Technology), Dr J. H. Callomon (Chemistry), Dr T. J. Chandler (Geography), Dr N. F. Dixon (Psychology), Dr Frieda Goldman-Eisler (Psycholinguistics), Dr T. C. Griffith (Physics), Dr L. M. Hocking (Mathematics), Dr J. H. Johnson (Geography), Dr T. H. Lambert (Mechanical Engineering), Dr H. Judith Milledge (Chemistry), H. C. Prince (Geography), Dr J. H. Ridd (Chemistry), Dr A. J. Smith (Geology), Dr M. L. Tobe (Chemistry), Dr Mary Whitear (Zoology), Dr D. Wilkie (Botany), and Dr S. Zienau (Physics).

At the beginning of the session there were a number of changes in Faculty appointments. Professor G. Schwarzenberger became Dean of the Faculty of Laws, and Professor J. A. C. Thomas, Vice-Dean; Professor J. Brown, Vice-Dean of the Faculty of Engineering, and Dr S. P. Datta, Sub-Dean of the Faculty of Medical Sciences.

Many members of the academic staff and former staff and students of the College obtained academic appointments outside the College. Within the University of London, Dr D. E. Barton was appointed to the Chair of Statistics tenable at Queen Mary College in association with the Institute of Computer Science, Professor A. C. Offord to the Chair of Mathematics at the London School of Economics, and Dr D. A. Pond to the Chair of Psychiatry at the London Medical College. The title of Professor of Anatomy was conferred on Dr J. Joseph in respect of his post at Guy's Hospital Medical School, the title of Professor of Biophysics at the Lister Institute of Preventive Medicine on Dr R. A. Kekwick, the title of Professor of French at Birkbeck College on Dr D. J. A. Ross, and the title of Professor of Economic and Social Studies of Eastern Europe on Dr Doreen Warriner in respect of her post at the School of Slavonic and East European Studies. Dr D. C. Watts was appointed to a Readership in Biochemistry at Guy's Hospital Medical School. The title of Reader in Education with special reference to the teaching of English was conferred on J. N. Britton in respect of his post at the Institute of Education, and that of Reader in Chemical Pathology at the Institute of Ophthalmology on Dr C. N. Graymore. Professor A. Maccoll was elected a member of the Senate representing the Faculty of Science.

Announcement was made during the year of the appointment of the following members of staff and former students of the College to

academic posts in other universities: Professor G. C. Allen as a member of the Academic Planning Board for the University of Coleraine, Professor C. W. L. Bevan as Principal of the University of South Wales and Monmouthshire, Sir James Cook as Vice-Chancellor of the University of East Africa, Professor W. A. C. Stewart as Vice-Chancellor of the University of Keele, Dr F. A. Vick as President and Vice-Chancellor of the Queen's University, Belfast; Dr P. N. Campbell as Professor of Biochemistry in the University of Leeds and Head of the Department of Biochemistry, Professor D. P. Craig as Professor of Physical and Theoretical Chemistry in the Australian National University at Canberra, Dr H. B. Gilbody to a second Chair of Physics in the University of Belfast, Dr A. T. James to an industrial professorship in Chemistry at the Loughborough University of Technology, Professor H. Jenkins to the Regius Chair of Rhetoric and English Literature in the University of Edinburgh, Professor E. H. Kossmann to the Chair of Modern History in the University of Groningen, Sir Peter Medawar as a non-resident Professor at Cornell University, Dr Lillian M. Pickford to a Chair of Physiology in the University of Edinburgh, Dr K. E. Puttick to the second Chair of Physics at the Battersea College of Technology (now the University of Surrey), Dr H. H. Rosenbrock as the first Professor of Control Engineering at Manchester College of Science and Technology, Dr R. W. R. Rutland to the Chair of Geology and Mineralogy in the University of Adelaide, Dr B. G. Whitmore as Professor of Physics in the University of Malawi, and Professor B. A. O. Williams to the Knightbridge Chair of Philosophy in the University of Cambridge; Dr D. A. Burgess to a Readership in Mathematics in the University of Nottingham, H. M. Nixon to the Sandars Readership in Bibliography in the University of Cambridge for 1967–68, Dr J. H. Renwick to a Readership in Human Genetics in the University of Glasgow, and Dr Barbara Reynolds to a Readership in Italian in the University of Nottingham. The University of Birmingham conferred the title of Reader in Ethnology on Dr M. R. A. Chance, and the title of Reader in Biochemistry on Dr D. G. Walker. The title of Reader was conferred by the University of Leeds on Dr B. E. C. Nordin, Director of the Medical Research Council's Mineral Metabolism Research Unit.

RETIREMENTS

Professor A. H. Gerrard, on his retirement at the end of the academic year, had completed a continuous connection with the

College of forty-six years. He entered the Slade School as a student in 1920 and was appointed a member of its staff in August 1925. In 1947 the title of Professor of Sculpture was conferred upon him, and he retires with the title of Professor Emeritus. Professor Gerrard was Head of the sculpture department at the Slade throughout a period in which sculpture, from being the Cinderella of the arts in Britain, achieved the status of a major artistic activity of diverse achievement and of international renown and influence. Professor Gerrard's teaching through all the changes of public taste and doctrine was pungently independent and faithful to his intuition as a working artist. At every stage of his career he was able to inspire young sculptors who have since made notable and varied contributions to the new vitality of the art. They have readily acknowledged the value to their own development of his insight and of the disciplined practice he demanded of them. Professor Gerrard will be remembered as an original and influential personality in the history of the Slade School.

Three Readers with long connections with the College also retired at the end of 1965-66.

Dr G. B. Brown had been a member of the staff of the Department of Physics for forty years and had held the title of Reader since 1946. Dr Brown is well known for his writings on the historical and philosophical aspects of science and this work on the more humane aspects of science has attracted considerable interest.

Dr Grace Eggleton first came to the College as a student in 1920, and for thirty-eight out of the last forty-six years she has been associated with the Physiology Department. Those who knew her both as a teacher and as a colleague will miss her very much. By her independence, integrity, and lack of bigotry—qualities embodying the spirit of University College—she helped to set the tone of the Department, and influenced many generations of students. Especially during the war, in the difficult period when the College was evacuated, she worked energetically to preserve continuity and keep the Department going. Her outstanding scientific contribution was the part she played in the discovery of phosphagen. This was an important breakthrough because it was the first time that it had been demonstrated that organic phosphates play an important part in the energy exchange of cells. This discovery had a large influence in directing biochemical thought along the path that it has followed ever since.

Dr G. J. Webber, who was a student in the Faculty of Laws during the years immediately following the first world war, returned as a

Reader in English Law in 1957 and contributed to the life and work of the Faculty by the breadth of his scholarship and his powers as a teacher. While making many contributions to various aspects of English Law, his outstanding work was probably *The Effect of War on Contract*. He also established a considerable reputation as a scholar in the field of Jewish Law.

RESIGNATIONS

In July 1966 the College Committee accepted with regret the resignation of Dr P. Dunsheath and expressed their deep appreciation of the exceptional services he had given to the College over the past twenty-one years, which included the difficult immediate post-war period. Not only had Dr Dunsheath served as a member of the College Committee, but also as a member, and later Chairman, of the Managing Committee, and as a member of the Finance and Planning and Buildings Committees. The College also owed a great deal to him in many other ways.

Professor H. C. Darby, who came to the College from the John Rankin Chair at Liverpool in 1949, left at the end of the session to take up an appointment as Professor of Geography in the University of Cambridge. Among the outstanding works for which his years at the College will be remembered are the preparation and publication of the greater part of *The Domesday Geography of England*, the force and clarity of his teaching in the field of historical geography, and the technical as well as the academic development of the Department of Geography into one of the strongest in the country. His leadership in the advancement of the subject has been recognised in awards and honours received from many parts of the English-speaking world.

Professor J. A. B. Gray resigned his appointment as a Professor of Physiology at the end of March 1966, on becoming Second Secretary of the Medical Research Council. He came to the staff of the Department of Physiology in 1952 as a Reader and the title of Professor was conferred on him in 1959. He was chiefly responsible for the development of physiology as a subject taken independently of medical studies, and for the present very successful final-year course. Professor Gray, however, took an active part, not only as a physiologist in the work of the Department, but also in the life and work of the College as a whole, notably as a faculty group representative on the Planning and Buildings Committee and as Chairman of the Radiation Hazards Committee. He also made a substantial contribution to University administration, serving as Dean of the University Faculty of Science

and as a member of the Academic Planning Committee. He was the chief architect of the new B.Sc. degree scheme.

The Department of History lost the services of Professor E. H. Kossmann in the course of the session, when, on his appointment to the Chair of Modern History at the University of Groningen, he resigned his post as Professor of Dutch History and Institutions at the College. He came to the Department as a Reader in 1957 and the title of Professor was conferred upon him in 1962. Under Professor Kossmann the study of Dutch History in the College expanded greatly, both at undergraduate and postgraduate level.

The appointment of Professor K. F. Roth to the Chair of Pure Mathematics (Theory of Numbers) tenable at the Imperial College of Science and Technology from October 1966, which was recorded in the last Report, meant the resignation of his post at University College at the end of 1965–66—a year he spent as a Visiting Professor at the Massachusetts Institute of Technology. Professor Roth first came to the Mathematics Department at the College in 1946 as a postgraduate student, and was appointed to the staff in 1948. His research work has made him pre-eminent among workers in the Theory of Numbers. He was promoted to the status of Reader in 1956 and the title of Professor was conferred upon him in 1960. He was awarded a Field's Medal in 1958 at the International Congress of Mathematicians, and elected a Fellow of the Royal Society in 1960.

OBITUARY

We record with regret the death during the year of a number of past and present members of the College, including five Fellows. These were Dr G. C. Chubb, Consulting Surgeon at the Westminster Hospital and the Throat Hospital, Golden Square; Dr Bernard Hart, Consulting Physician in Psychological Medicine at University College Hospital and the National Hospital for Nervous Diseases in Queen Square; Professor R. G. S. Hudson, Professor of Geology and Mineralogy at Trinity College in the University of Dublin, Lord Layton of Danehill, sometime Editor of the *Economist* and Vice-President of the Consultative Assembly of the Council of Europe, and Dr F. J. Wilkins, a Director of the Glaxo Group Limited and the Chairman and Managing Director of Glaxo Laboratories.

The College lost also four of its Emeritus Professors.

Professor R. O. Kapp was appointed to the Pender Chair of Electrical Engineering in 1935. As Dean of the Faculty of Engineering he went with the Engineering Departments when, on the outbreak

of the Second World War, they were evacuated to Swansea. On the return of the Faculty to London, he was mainly concerned with the post-war rehabilitation of his Department, though he served as a member of the Senate of the University of London and as Dean of the University Faculty of Engineering. He retired from the Pender Chair in 1950, but returned to a consultancy with an engineering firm, and notable among his services was the chairmanship of a committee appointed by British Railways to reduce interference between power and telecommunication lines. His skill and wide range of interests brought him on to innumerable other committees. He founded the Presentation of Technical Information Group and wrote widely on philosophy as well as technical and scientific matters.

In June 1966 the many friends in the College of Professor Emeritus B. J. Lloyd-Evans were deeply shocked to hear of his death in a road accident in Italy. An undergraduate in the College from 1909 to 1912, he remained for a postgraduate year during which he acted as a demonstrator in the Mechanical Engineering Laboratory which was destined to be the scene of his activities for so many years. After several years of work on steam turbines with the Brush Engineering Company, he returned to the College as a Senior Lecturer in 1921 and was responsible for the planning and rebuilding of the mechanical engineering building. On the retirement of Professor G. T. R. Hill in 1948 he was appointed to the Kennedy Chair which he held until his retirement in 1957. He remained for a year as a Special Lecturer to help his successor and old student, Professor R. E. D. Bishop. On retirement to the Leicester area he continued his connection with the University as an examiner and was a frequent visitor in the College. 'Lloyd-E' will be sadly missed by his colleagues and old students, who remember his kindly manner, his humour, his wisdom, his helpfulness, and his uncanny memory of every facet of College affairs.

The illness which a few years ago brought to an untimely end the academic career of Professor Emeritus R. Powell, and necessitated his retirement from the Chair of Roman Law in 1964, culminated in his death in December 1965. Reference was made in the Annual Report for 1963–64 to his work for the Faculty of Laws. He also played his full part in the life and work of both the College as a whole and of the University of London, bringing characteristic enthusiasm and ability to all he undertook.

Professor Emeritus C. J. Sisson died on 28 July 1966. He came to University College as a Reader in the Department of English Language and Literature in 1923, and in 1928 became the first holder

of the Lord Northcliffe Chair of Modern English Literature. He was a member of the Senate from 1932 to 1940, and Dean of the Faculty of Arts from 1934 to 1938. On his retirement from the Northcliffe Chair in 1951 he became Assistant Director and Senior Fellow at the Shakespeare Institute of the University of Birmingham, Stratford-on-Avon; in the same year he was elected President of the Modern Humanities Research Association. Perhaps his greatest contribution to English studies was the enthusiasm which he aroused in his students for bibliographical and palaeographical research, and the application of these to textual problems, especially in the works of Shakespeare and his contemporaries. The fruit's of Sisson's own studies in this direction were embodied in his edition of Shakespeare in 1954, and in his two-volume *New Readings in Shakespeare* in 1956. For many years he was General Editor of *Modern Language Review*, and a member of the Council of the Malone Society from 1947 until his death.

Three members of the College died while holding academic staff appointments.

Professor S. E. Hollingworth was Yates-Goldsmid Professor of Geology and Head of the Department of Geology from 1946 until his sudden death on 23 June 1966, a few months before the date of his retirement, and while he was still engaged in planning the extension of one of his major interests of recent years, research in the Chilean Andes. He came to University College after a distinguished career with the Geological Survey of Great Britain, bringing to the Department a great breadth of interest and knowledge of the requirements of applied Geology. With this, and his natural energy, he was able to overcome many of the difficulties of building up a Department in limited space and with a small staff; and, within a few years, it had achieved an outstanding reputation for providing Surveys, Oil Companies, etc., with the kind of graduates they needed. Professor Hollingworth was an extremely approachable person, with a very human regard for the interests of his students, who in general viewed his limitations as a lecturer with an affectionate tolerance, partly because of the inspiration provided by the informal discussions in which he delighted, and partly because of the stimulating way in which he conducted field exercises. Outside the Department Professor Hollingworth built up an international reputation as a geomorphologist and played a leading part in geological developments in this country, largely through the medium of the Geological Society, of which he was at one time the President.

Dr E. A. Miskin joined the staff of the Faculty of Engineering in

1946, and the title of Reader in Photogrammetry was conferred on him in 1953. He became a Senior Treasurer of the Union in 1952 when he took over the athletics side of the Senior Treasurer's work. He gave generously of his time to these duties, which involved many journeys to the grounds at Shenley. He was a keen sportsman and his advice was of the greatest value to the Union. Dr Miskin went to Australia for a year in 1962, but although he returned to his academic post in the College, he was unable to resume his Union work. He died suddenly on 29 March 1966.

Dr F. W. Gibbs died in May 1966. He was editor and deputy secretary (scientific) of the Royal Institute of Chemistry, Honorary Lecturer in the History of Technology in the Department of History and Philosophy of Science since 1959, and a postgraduate student in that Department ten years earlier. He first came to the College in 1931 and took undergraduate and subsequently postgraduate courses in the Department of Chemistry.

Two other former members of the academic staff of long association with the College died in the latter part of 1965; P. Brooker, member of the staff of the Slade School of Fine Art from 1927 to 1962, in November, and D. Orson Wood in December.

In the Annual Report for 1960–61 it was recorded that Mr Wood, on his retirement from the post of first Careers Adviser in the College, had completed fifty-one years of notable and unbroken service as a member of the College staff. He had served succeeding generations of students as a Physics lecturer of great clarity and precision—an admirable teacher and a formidable examiner—as Tutor to Science Students, Senior Tutor, and finally as Careers Adviser. Few, if any, can have given more to a greater number of the students of University College over a longer period of time. It is hard to realise that his familiar figure will no longer be seen around the College, for even after retirement he continued to reappear from time to time to delve into College archives for information to assist him in his last labour—the writing of a record of the Physics Department and those who had worked in it during the period from 1826 to 1950. He was particularly pleased to have established to his own satisfaction (which means beyond all reasonable doubt) that University College was, exactly one hundred years ago, the first English university institution to provide organised instruction in practical physics for undergraduates.

Among the many former students of the College whose death occurred during 1965–66 were Miss Marjorie L. Dence, co-founder of the Perth Theatre Company and the pioneer of the repertory

movement in Scotland, who was in the English Department from 1919 to 1925, and W. M. Jordan, Director of the political affairs division in the United Nations Department of Political and Security Council Affairs, who was a History student from 1926 to 1932.

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[1 AUGUST 1965—31 JULY 1966]

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STUDENT HEALTH ASSOCIATION

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APPENDIX I

COLLEGE COMMITTEE

	*Attendances**
Chairman: The Right Hon. Lord Strang, G.C.B., G.C.M.G., M.B.E., B.A., LL.D.†	8–8
Vice-Chairman: F. J. Stephens, M.A.‡	5–8
Treasurer: Sir Bernard Waley-Cohen, BT, LL.D.‡	8–8
G. F. Arnold, B.A.¶	4–4
Professor R. E. D. Bishop, M.A., M.S., PH.D., D.SC.(ENG.), M.I.MECH.E., A.F.R.AE.S.†§	4–4
Professor J. Brown, M.A., PH.D., D.SC.(ENG.), M.I.E.E.¶	4–4
Mrs Irene Chaplin, B.A., J.P.	5–8
P. Dunsheath, C.B.E., M.A., D.SC.(ENG.), D.ENG., LL.D.§	5–8
Sir Ifor Evans, D.LIT.† *Provost*	7–8
Sylvester Gates, C.B.E., M.A.	6–8
Professor J. A. B. Gray, SC.D., M.A., M.B., B.CHIR.§	2–4
J. C. Hawksley, C.B.E., M.D., PH.D., F.R.C.P., M.R.C.S.†	6–8
Professor A. V. Hill, C.H., O.B.E., SC.D., LL.D., D.SC., M.D., F.R.S.‡	8–8
Professor E. R. H. Ivamy, PH.D.¶	4–4
Professor D. Lewis, D.SC., F.R.S.	5–8
R. D. McLellan, PH.D.†	8–8
The Rev. A. Montgomery Mann, T.D., B.A., B.D.	8–8
T. A. L. Paton, C.M.G., B.SC., M.I.C.E., F.A.S.C.E.†	3–8
Sir Edward Playfair, K.C.B.	8–8
Constance M. Rigby, M.A., PH.D.§	4–4
Professor E. C. Ryder, M.A., LL.B.§	4–4
Professor H. O. Schild, M.D., PH.D., D.SC., F.R.S.¶	4–4
Sir Harold Shearman, M.A., J.P.¶	4–4
G. F. Vaughan, M.B., F.R.C.P., D.P.M.	4–8
G. E. Walker, O.B.E., M.A.	4–8
E. M. P. Welman	5–8

* The two figures indicate respectively the number of times that the member attended, and the number of times that he was summoned to a meeting of the Committee during the year 1 October 1965 to 30 September 1966. † Fellow of the College. ‡ Hon. Fellow of the College. § Membership terminated before 30 September 1966. ¶ Appointed after 1 October 1965.

PROFESSORIAL BOARD

Chairman: Sir Ifor Evans, D.LIT., Provost†

M. Abercrombie, M.A., B.SC., F.R.S., Jodrell Professor of Zoology and Comparative Anatomy

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C. W. Allen, D.SC., Perren Professor of Astronomy

G. C. Allen, C.B.E., M.COM., PH.D., F.B.A., Professor of Political Economy

H. C. Allen, M.C., M.A., Commonwealth Fund Professor of American History

G. F. Arnold, B.A., Lecturer in Phonetics

R. J. Audley, PH.D., Professor of Psychology

Ernest Baldwin, PH.D., Professor of Biochemistry

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D. P. Craig, D.SC., F.R.I.C., Professor of Chemistry†

J. S. Cummins, PH.D., Senior Lecturer in Spanish

H. C. Darby, O.B.E., LITT.D., Professor of Geography

Florence N. David, D.SC., Professor of Probability and Statistics

D. G. Davis, PH.D., Senior Lecturer in Physics

J. Diamond, PH.D. M.B., B.S., Reader in Physiology

G. C. Drew, M.A., Professor of Psychology

† Fellow of the College.

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T. Estermann, D.SC., D.NAT.SC., Professor of Mathematics
L. D. Ettlinger, PH.D., F.S.A., Durning-Lawrence Professor of the History of Art
C. Fahy, M.A., PH.D., Lecturer in Italian
P. G. Foote, M.A., Professor of Old Scandinavian
Daryll Forde, PH.D., F.B.A., Professor of Anthropology†
L. Fowden, PH.D., F.R.S., Professor of Plant Chemistry†
D. B. Fry, PH.D., Professor of Experimental Phonetics
A. H. Gerrard, Professor of Sculpture
J. A. B. Gray, SC.D., M.A., M.B., B.CHIR., Professor of Physiology
A. L. Greenbaum, PH.D., D.SC., Professor of Biochemistry
H. Grüneberg, PH.D., M.D., D.SC., F.R.S., Professor of Genetics
M. A. K. Halliday, M.A., PH.D., Professor of General Linguistics
H. Harris, M.A., M.D., F.R.S., Galton Professor of Human Genetics
C. J. Holdsworth, M.A., PH.D., Lecturer in History
The Rt Hon. Lord Holford, M.A., D.C.L., LL.D., D.LITT., F.R.I.B.A., M.T.P.I., F.I.L.A., A.R.A., Professor of Town Planning
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J. Hurstfield, D.LIT., Astor Professor of English History†
A. F. Huxley, M.A., D.SC., M.D., F.R.S., Jodrell Professor of Physiology
Raymond Irwin, M.A., F.L.A., Professor of Library Studies
E. R. H. Ivamy, PH.D., Professor of Law
B. Katz, M.D., PH.D., D.SC., F.R.S., Professor of Biophysics†
G. W. Keeton, M.A., LL.D., F.B.A., Professor of English Law
E. H. Kossmann, LITT.D.(LEIDEN), Professor of Dutch History and Institutions
D. R. Laurence, M.D., F.R.C.P., Professor of Pharmacology and Therapeutics
D. Lewis, D.SC., F.R.S., Quain Professor of Botany†
The Rt Hon. Lord Llewelyn-Davies, M.A., F.R.I.B.A., Professor of Architecture
The Rt Hon. Lord Lloyd, M.A., LL.D., Quain Professor of Jurisprudence†
Dame Kathleen Lonsdale, D.B.E., D.SC., F.R.S., Professor of Chemistry†
A. Maccoll, PH.D., D.SC., F.R.I.C., Professor of Chemistry
R. D. McLellan, PH.D., Senior Tutor and Senior Lecturer in Greek and Latin†
Sir Harrie Massey, D.SC., PH.D., LL.D., F.R.S., Quain Professor of Physics
W. R. Mead, M.SC.(ECON.), PH.D., Professor of Geography
R. Miledi, M.D., Professor of Biophysics
D. J. Millen, PH.D., D.SC., Professor of Chemistry
A. D. Momigliano, M.A., D.LITT., F.B.A., Professor of Ancient History

† Fellow of the College. * Died 23 June 1966.

R. S. Nyholm, D.SC., F.R.I.C., F.R.S., Professor of Chemistry†

N. W. Please, B.SC., Senior Lecturer in Statistics

Randolph Quirk, M.A., PH.D., D.LIT., Professor of English Language

Constance M. Rigby, M.A., PH.D., Senior Lecturer in Mathematics

C. A. Rogers, D.SC., F.R.S., Astor Professor of Mathematics†

K. F. Roth, B.A., M.SC., PH.D., F.R.S., Professor of Mathematics

P. N. Rowe, B.SC.(TECH.), PH.D., D.SC.(ENG.), M.I.CHEM.E., A.M.C.T., D.I.C., Ramsay Memorial Professor of Chemical Engineering

E. C. Ryder, M.A., LL.B., Professor of English Law

H. O. Schild, M.D., PH.D., D.SC., F.R.S., Professor of Pharmacology

W. Schwarz, M.A., PH.D., Professor of German

G. Schwarzenberger, PH.D., DR.JUR., Professor of International Law

J. W. Scott, B.A., A.L.A., Librarian

M. J. Seaton, PH.D., Professor of Physics

O. Skutsch, DR.PHIL., Professor of Latin

R. J. Smeed, C.B.E., PH.D., Professor of Traffic Studies

A. H. Smith, O.B.E., R.N.O., R.F., PH.D., D.LIT., LITT.D., FIL.DR., F.S.A., Quain Professor of English Language and Literature

C. A. B. Smith, M.A., PH.D., Weldon Professor of Biometry

J. Spraos, M.A., Professor of Political Economy

S. Stein, PH.D., Professor of Hebrew

K. Stewartson, M.A., PH.D., F.R.S., Goldsmid Professor of Mathematics

James R. Sutherland, M.A., B.LITT., LL.D., F.B.A., Lord Northcliffe Professor of Modern English Literature

D. Thomas, M.A., Lecturer in Geography

J. A. C. Thomas, M.A., LL.B., Professor of Roman Law

E. H. Thompson, O.B.E., M.A., F.R.I.C.S., Professor of Photogrammetry & Surveying

D. A. Turin, DIPL.ARCH., S.C.A., London Master Builders Professor of Building

E. G. Turner, M.A., F.B.A., Professor of Papyrology

T. B. L. Webster, M.A., LITT.D., F.S.A., F.B.A., HON.R.A., Professor of Greek

R. Weiss, B.A., Professor of Italian

G. P. Wells, M.A., SC.D., F.R.S., Professor of Zoology

P. Wheatley, M.A., PH.D., Professor of Geography

D. J. B. White, PH.D., Senior Lecturer in Botany

D. R. Wilkie, M.D., M.B., B.S., M.R.C.P., Professor of Experimental Physiology

J. S. Wilkie, B.SC., PH.D., F.L.S., Reader in History and Philosophy of Science

Elizabeth M. Wilkinson, PH.D., Professor of German

B. Woledge, M.A., D. DE L'UNIV., Fielden Professor of French Language and Literature

Richard Wollheim, M.A., Grote Professor of Philosophy of Mind and Logic

J. Z. Young, M.A., D.SC., F.R.S., Professor of Anatomy

† Fellow of the College.

APPENDIX III

HONORARY FELLOWS AND FELLOWS

The following elections were made in 1966:

HONORARY FELLOWS

Mr Max Rayne, Chairman of London Merchant Securities Limited and subsidiary Companies; Chairman and Director of other Companies.

The Rt Hon. Lord Tangley, K.B.E., Solicitor and Senior Partner of Sydney Morse and Company; Chairman and Director of other Companies.

FELLOWS

Mr Rodney Joseph Burn, R.A., Artist; formerly Lecturer at the Painting School, Royal College of Art.

Mr Leslie Spicer Crutch, a Director of Associated Electrical Industries (Woolwich) Limited, and a Director of other Companies.

Professor Leslie Fowden, F.R.S., Professor of Plant Chemistry in the University of London at University College London.

Dr William Walton Gooddy, Consultant Neurologist, University College Hospital London and St Richard's Hospital, Chichester; Physician, National Hospital for Nervous Diseases, London.

Master Isaac Hai Jacob, a Master of the Supreme Court, Queen's Bench Division; Honorary Lecturer in the Faculty of Laws, University College London.

Dr David Gwilym James, formerly Vice-Chancellor of the University of Southampton.

Dr Samuel Lenher, Vice-President of E. I. Du Pont de Nemours and Company, Inc., U.S.A.

Dr Leonard William Tancock, Reader in French in the University of London at University College London.

Professor Michael James Denham White, F.R.S., Professor of Genetics, University of Melbourne.

APPENDIX IV

PRINCIPAL CHANGES IN THE ACADEMIC STAFF

FACULTY OF ARTS

ANTHROPOLOGY

Appointment: R. G. Willis, B.LITT., D.PHIL. (Research Assistant), from Linacre House, Oxford.

ARCHITECTURE

Appointments: A. J. Forrest, D.A.(EDIN)., A.R.I.B.A. (Lecturer), formerly held temporary appointment in Department.

G. M. Kasabov, A.A.DIPL. (Lecturer), formerly held temporary appointment in Department.

M. D. Latourell, M.ARCH. (Part-time Lecturer), formerly postgraduate student at Architectural Association School of Architecture.

D. A. Turin, DIPL.ARCH., S.C.A. (London Master Builders Professor of Building), formerly Chief of Housing, Building and Planning Section, United Nations Economic Commission for Africa, Addis Ababa.

Resignation: M. W. A. Cassidy, B.A. (Part-time Lecturer).

COMPARATIVE PHILOLOGY

Appointment: Mrs Nadia C. MacGregor-Fairlie, D.ÈS L., D.E.S. (Lecturer).

ENGLISH LANGUAGE AND LITERATURE

Appointments: Valerie J. Adams, M.A. (Research Assistant), from School of Oriental and African Studies.

J. H. Daniels, M.A., D.PHIL. (Honorary Research Associate), Secretary/Librarian, Institute of United States Studies.

A. E. Green, B.A. (Research Assistant), formerly postgraduate student at University of Leeds.

S. Greenbaum, M.A. (Research Assistant), formerly postgraduate student in Department.

T. P. Roberts, M.A. (Lecturer), from University of Oxford Delegacy for Extra-Mural Studies.

K. Walker, M.A. (Assistant Lecturer), formerly held Lectureship, Victoria University, New Zealand.

Resignation: Mrs Judith A. Carvell, B.A. (Research Assistant).

FINE ARTS

Appointments: R. Denny (Part-time Assistant).

D. A. Levy, PH.D. (Part-time Assistant).

Resignation: F. E. McWilliam, C.B.E., D.LIT. (Part-time Assistant).

Retirement: A. H. Gerrard (Professor of Sculpture).

FRENCH

Appointment: P. A. Gratier, B.A. (Lecturer), from Thurrock Technical College, Grays, Essex.

GEOGRAPHY

Appointments: Peggie M. Hobson, PH.D. (Lecturer); Warden of Campbell Hall; from Goldsmiths' College, London.

N. H. Perry, B.A. (Assistant Lecturer), formerly student in Department.

P. Wheatley, M.A., PH.D. (Professor), formerly Professor of Geography and History, University of California, Berkeley.

P. A. Wood, PH.D. (Assistant Lecturer), formerly postgraduate student at University of Birmingham.

Resignations: A. R. H. Baker, PH.D. (Lecturer), to University of Cambridge.

J. T. Coppock, M.A., PH.D. (Reader), to Ogilvie Chair of Geography, University of Edinburgh.

H. C. Darby, O.B.E., LITT.D. (Professor), to Chair of Geography, King's College, Cambridge.

R. P. A. Welldon Finn, M.A. (Research Assistant).

R. L. Heathcote, M.A., PH.D. (Lecturer), to Flinders University, Adelaide.

GERMAN

Appointments: T. D. McFarland, M.A. (Assistant Lecturer), from University of Munich.

C. J. Smith, B.A. (Assistant Lecturer), formerly postgraduate student, Wadham College, Oxford.

GREEK

Appointments: W. E. H. Cockle, M.A. (Research Assistant), formerly Departmental Assistant (Technical) in Department.

M. F. Gretton, B.A. (Lecturer), from University of Keele.

Resignation: D. J. Furley, M.A. (Reader), to Chair of Classics, Princeton University.

HEBREW

Appointment: R. J. Loewe, M.C., M.A. (Lecturer), formerly held Lectureship, Leo Baeck College, London.

HISTORY

Appointments: L. M. Bethell, B.A., PH.D. (Lecturer in Hispanic American and Brazilian History), from University of Bristol.

P. M. Fraser, M.C., M.A., F.B.A. (Special Lecturer in Greek Epigraphy and Hellenistic History), Fellow of All Souls College, Oxford.

A. J. P. Taylor, M.A., F.B.A. (Special Lecturer), Fellow of Magdalen College, Oxford.

N. R. N. Tyacke, B.A. (Assistant Lecturer), formerly held Postgraduate Studentship, Balliol College, Oxford.

Resignations: José F. Chambers, B.A. (Assistant Lecturer), to Nuffield College, Oxford.

E. H. Kossmann, LITT.D.(LEIDEN) (Professor of Dutch History and Institutions), to Chair of Modern History, University of Groningen.

HISTORY OF ART

Appointment: D. B. Davies, B.A. (Part-time Assistant Lecturer), Official Lecturer at the National Gallery.

ITALIAN

Appointment: J. M. A. Lindon, B.A. (Lecturer), from University of Aberdeen.

LATIN

Appointment: M. F. Gretton, B.A. (see Greek).

Resignation: D. J. Furley, M.A. (see Greek).

Retirement: Joyce E. Lowe, M.A. (Assistant).

LIBRARIANSHIP AND ARCHIVES

Appointment: J. H. St J. McIlwaine, B.A., A.L.A. (Lecturer), from the India Office Library.

Resignation: R. F. Vollans, F.L.A. (Part-time Lecturer).

PHONETICS

Appointments: J. R. Baldwin, B.A. (Lecturer), from Kingston College of Further Education, Kingston-upon-Thames.

H. J. Warkentyne, B.A. (Assistant), formerly postgraduate student in Department.

POLITICAL ECONOMY

Appointments: G. Catephores, LL.B., M.SC.(ECON.) (Research Assistant), formerly postgraduate student, London School of Economics and Political Science.
A. A. Shapiro, B.A. (Assistant Lecturer), from London School of Economics and Political Science.

Resignations: N. E. Devletoglou, M.A. (Assistant Lecturer), to London School of Economics and Political Science.
M. Díaz-Rey, PROF.MERC., B.SC.(ECON.) (Leverhulme Lecturer in Latin American Economic Studies), to be Economic Affairs Officer, United Nations Conference on Trade and Development, Geneva.
A. M. B. Mansour, M.SC.(ECON.) (Research Assistant), to be Economic Affairs Officer, United Nations Conference on Trade and Development, Geneva.

SCANDINAVIAN STUDIES

Appointments: J. A. Bergman, FIL.MAG. (Crown Princess Louise Lecturer in Swedish), formerly held teaching appointment in Sweden.
His Excellency Gunnar Hägglöf, G.C.V.O., LL.D. (Honorary Research Associate), Swedish Ambassador to the Court of St James.

FACULTY OF LAWS

Appointments: C. Arnold, LL.B. (Assistant Lecturer), formerly held part-time appointment in Department.
J. H. Baker, LL.B. (Assistant Lecturer), formerly student in Department.
A. J. R. Groom, B.SC.(ECON.), M.A. (Lecturer), from Graduate Institute of International Studies, Geneva.
I. Kennedy, LL.M. (Assistant Lecturer), from University of California, Berkeley.
B. J. Knight, LL.M. (Part-time Lecturer), from Holborn College of Law, Languages and Commerce.
P. T. O'Neill, LL.B. (Assistant Lecturer), formerly student in Department.

Resignations: P. English, LL.M. (Lecturer), joint appointment with the Police College, Bramshill; to University of Exeter.
The Rt Hon. Lord Goodman, M.A., LL.M. (Honorary Lecturer).

Retirement: G. J. Webber, LL.D. (Reader), to be Honorary Research Associate.

FACULTY OF SCIENCE

ASTRONOMY

Resignations: T. Kiang, PH.D. (Lecturer), to Professorship, Dublin Institute of Advanced Studies, Dunsink Observatory.
M. Kowalski (Assistant).

BOTANY

Appointment: D. G. Smith, PH.D. (Lecturer), from Queen Elizabeth College.

Resignations: Mrs Patricia M. Dunnill, B.SC. (Research Assistant).
A. W. Robards, PH.D. (Quain Student in Biology), to University of York.

CHEMISTRY

Appointments: A. J. Layton, PH.D. (Research Assistant), formerly Experimental Officer in Department.

J. E. Parkin, PH.D. (Lecturer), formerly National Research Council Postdoctoral Fellow, Ottawa.

B. L. Silver, PH.D. (Honorary Research Associate), from Weizmann Institute of Science, Rehovoth, Israel.

D. June Sutor, M.A., M.SC., PH.D. (Honorary Research Associate), formerly Senior Scientific Officer, Department of Scientific and Industrial Research, New Zealand.

T. Thirunamachandran, PH.D. (Lecturer), formerly held honorary appointment in Department.

Professor S. Y. Tyree, PH.D. (Honorary Research Associate), Professor of Chemistry, University of North Carolina.

Resignation: Professor G. L. Zimmerman, PH.D. (Honorary Research Associate), to Bryn Mawr College, Pennsylvania State University.

GEOLOGY

Appointment: A. H. Clark, PH.D. (Lecturer), formerly Science Research Council Postdoctoral Fellow in Department.

Resignations: R. W. R. Rutland, PH.D. (Lecturer), to Chair of Geology and Mineralogy, University of Adelaide.

E. F. Stumpfl, DR.RER.NAT. (Lecturer), to Chair of Geological Sciences, University of Toronto.

Death: S. E. Hollingworth, M.A., D.SC. (Yates-Goldsmid Professor of Geology).

HISTORY AND PHILOSOPHY OF SCIENCE

Appointment: L. L. Laudan, M.A., PH.D. (Lecturer), formerly postgraduate student, Churchill College, Cambridge.

Death: F. W. Gibbs, D.SC., PH.D., F.R.I.C. (Honorary Lecturer in the History of Technology).

HUMAN GENETICS AND BIOMETRY

Appointments: Mrs Joy D. A. Delhanty, PH.D. (Lecturer), formerly held temporary appointment in Department.

H. Harris, M.A., M.D. (Galton Professor of Human Genetics), from Chair of Biochemistry, King's College, London.

C. R. P. Wright, B.A., M.B., B.CHIR. (Assistant Lecturer), from West Middlesex Hospital.

Retirement: M. Noel Karn, M.A. (Part-time Lecturer).

MATHEMATICS

Appointment: P. G. Williams, B.SC. (Lecturer), from National Physical Laboratory Teddington.

Resignations: Professor L. S. Goddard, PH.D. (Honorary Research Associate), to University of Tasmania.

K. F. Roth, B.A., M.SC., PH.D., F.R.S. (Professor), to Chair of Pure Mathematics, Imperial College of Science and Technology.

PHYSICS

Appointments: T. A. Clark, PH.D. (Lecturer), from University of Alberta.

E. B. Dorling, PH.D. (Lecturer), formerly held honorary appointment in Department.

B. G. Duff, PH.D. (Lecturer), formerly held honorary appointment in Department.

A. C. H. Smith, PH.D. (Lecturer), from United Kingdom Atomic Energy Authority Laboratory, Culham.

R. F. Stebbings, PH.D. (Reader), formerly Scientist-in-Charge, Atomic Physics Laboratory, General Dynamics Corporation, San Diego, California.

Resignations: A. Burgess, PH.D. (Lecturer), to University of Cambridge.

A. Donnachie, PH.D. (Lecturer), to University of Glasgow.

D. G. Hummer, M.SC., PH.D. (Lecturer), to Joint Institute for Laboratory Astrophysics, Boulder, Colorado.

Professor F. Oppenheimer, PH.D. (Honorary Research Associate).

Retirement: G. B. Brown, M.SC., PH.D. (Reader).

PSYCHOLOGY

Appointment: P. N. Johnson-Laird, B.A. (Assistant Lecturer), formerly postgraduate student in Department.

STATISTICS

Resignation: D. E. Barton, PH.D. (Reader), to Chair of Statistics, Queen Mary College.

ZOOLOGY AND COMPARATIVE ANATOMY

Appointments: A. Comfort, M.A., M.B., B.CH., PH.D., D.SC., D.C.H. (Director, Medical Research Council Research Group on the Biology of Ageing), formerly held honorary appointment in Department.

Mrs Irene Gore, M.SC., PH.D. (Research Fellow, Medical Research Council Research Group on the Biology of Ageing), formerly held honorary appointment in Department.

P. A. Jewell, M.A., PH.D. (Senior Lecturer), from Wellcome Institute of Comparative Physiology, Zoological Society of London. [Seconded to University of Nigeria, Nsukka for first two years of appointment as Head of Biological Sciences Group, with title of Professor, under arrangements with Ministry of Overseas Development.]

Resignations: Jennifer J. Dee, PH.D. (Lecturer), to University of Leicester.

The Very Rev. Father H. W. Rigney, S.V.D., B.A., M.SC., PH.D. (Honorary Research Associate), to San Carlos University, Cebu City, Republic of the Philippines.

FACULTY OF ENGINEERING

CIVIL AND MUNICIPAL ENGINEERING

Appointments: J. Gregory, PH.D. (Lecturer), from Natural Rubber Producers Research Association, Welwyn Garden City.

B. K. Menzies, M.E. (Assistant Lecturer), from Kingston College of Technology, Kingston-upon-Thames.

Professor D. A. Okun, SC.D. (Honorary Research Associate), Professor of Sanitary Engineering, University of North Carolina.

J. E. Scutt, PH.D. (Lecturer), from industry.

R. J. Smeed, C.B.E., PH.D. (Professor of Traffic Studies), formerly Chief Scientist, Ministry of Land and Natural Resources.

Resignation: Sheena M. Johnson, B.SC. (Research Assistant).

MECHANICAL ENGINEERING

Appointment: B. G. B. Lucas, M.R.C.S., L.R.C.P., F.F.A.R.C.S., D.A. (Honorary Research Associate), Consultant Anaesthetist, University College Hospital.

Resignation: R. P. Brann, PH.D. (Lecturer), to industry.

CHEMICAL ENGINEERING

Appointments: P. N. Rowe, B.SC.(TECH.), PH.D., M.I.CHEM.E., A.M.C.T., D.I.C. (Ramsay Memorial Professor of Chemical Engineering), formerly Principal Scientific Officer, Atomic Energy Research Establishment, Harwell.

D. A. White, M.A., PH.D. (Lecturer), from University of Cambridge.

Resignation: C. G. Sinclair, M.SC., PH.D., A.M.I.CHEM.E. (Honorary Research Associate).

PHOTOGRAMMETRY AND SURVEYING

Appointment: D. W. Proctor, B.SC.(ENG.) (Lecturer), from School of Military Survey, Newbury.

Death: E. A. Miskin, M.A., B.SC., PH.D., F.R.I.C.S. (Reader).

FACULTY OF MEDICAL SCIENCES

ANATOMY AND EMBRYOLOGY

Appointments: P. N. Dilly, B.SC., PH.D., M.B., B.S., M.R.C.S., L.R.C.P. (Lecturer), from University College Hospital.

Felicity Grainger, B.SC. (Research Assistant), formerly held research studentship, Marine Biological Association, Plymouth.

A. H. I. Lalljee, M.B., B.S., M.R.C.S., L.R.C.P. (Assistant Lecturer), from University College Hospital.

G. E. Savage, B.SC. (Research Assistant), formerly held research appointment in Department.

S. Zeki, B.SC. (Assistant Lecturer), formerly postgraduate student in Department.

Resignations: Elizabeth M. Deuchar, M.A., PH.D. (Reader).

R. W. Howes, B.SC. (Research Assistant, Medical Research Council Cerebral Functions Research Group).

R. D. Lund, PH.D. (Lecturer), to Research Fellowship, University of Pennsylvania.

BIOCHEMISTRY

Appointments: J. McD. Blair, PH.D. (Research Assistant), from University of Cape Town.

E. M. Chance, B.A. (Assistant Lecturer), formerly postgraduate student in Department.

D. Gompertz, PH.D., M.B., CH.B. (Assistant Lecturer), formerly held honorary appointment in Department.

Mrs Letitia Naismith, M.SC., PH.D. (Research Assistant), formerly held Medical Research Council Postdoctoral Fellowship.

G. W. Offer, B.A., PH.D. (Assistant Lecturer), formerly held honorary appointment in Department.

Resignation: D. C. Watts, M.SC., PH.D. (Lecturer), to Readership, Guy's Hospital Medical School; to be Honorary Lecturer in Department.

PHARMACOLOGY

Appointments: J. W. Black, M.B., CH.B. (Honorary Lecturer), Head of Biological Research Group, Smith Kline and French Laboratories Ltd, Welwyn Garden City.

G. E. Paget, M.D. (Honorary Lecturer), Director of Research, Smith Kline and French Laboratories Ltd, Welwyn Garden City.

Resignation: Professor J. F. Danielli, PH.D., D.SC., A.R.I.C., F.R.S. (Honorary Lecturer in Cell Pharmacology).

PHYSIOLOGY

Appointments: Mrs Lynn J. Bindman, PH.D. (Sharpey Scholar), formerly held honorary appointment in Department.

M. F. Land, B.A. (Assistant Lecturer), formerly postgraduate student in Department.

L. H. Smaje, B.SC., M.B., B.S. (Lecturer), formerly held honorary appointment in Department.

Resignations: J. A. B. Gray, SC.D., M.A., M.B., B.CHIR. (Professor), to be Second Secretary of the Medical Research Council; to be Honorary Research Associate in Department.

S. J. Hubbard, PH.D. (Lecturer), to University of Utah.

J. Morley, PH.D. (Assistant Lecturer).

W. H. Oldendorf, M.D. (Honorary Research Associate), to U.S. Veterans Administration Centre, Los Angeles.

Retirement: M. Grace Eggleton, D.SC., M.R.C.S., L.R.C.P. (Reader).

MEDICAL SCIENCES

Retirement: J. L. Parkinson (Assistant).

APPENDIX V

PUBLIC LECTURES

ENDOWED LECTURES

COMMONWEALTH FUND LECTURES

Professor J. K. Galbraith, Harvard: 'Labor, Capital and Intelligence: Comparative Power in Historical Perspective' (two lectures)

LORD NORTHCLIFFE LECTURES IN LITERATURE

Mr Deryck Cooke: 'Music and Society since Beethoven' (four lectures)

SHEARMAN MEMORIAL LECTURES

Professor Alfred Tarski, California, Berkeley: 'On Undecidable Theories' (three lectures)

INAUGURAL LECTURES

Professor R. G. Hopkinson, Haden-Pilkington Professor of Environmental Design and Engineering: 'The Evaluation of the Built Environment'
Professor D. R. Laurence, Professor of Pharmacology and Therapeutics: 'Drug Introduction, Evaluation and Safety'
Professor D. J. Millen, Professor of Chemistry: 'Molecular Measurements'
Professor J. A. C. Thomas, Professor of Roman Law: 'Form and Substance in Roman Law'
Professor D. A. Turin, London Master Builders Professor of Building: 'What do we mean by Building?'

LUNCH-HOUR LECTURES

Dr Jane Abercrombie: 'Educating for Change'
Dr E. K. Charlotte Banks: 'Young Offenders'
Professor Arthur Brown: 'The Elizabethan Printer'
Mr M. J. Brown: 'Do we need Cities?'
Dr G. P. G. Butler: ' "Translated from the German"—a popular euphemism?'
Mr J. Chalker: 'Malcolm Lowry's *Under the Volcano:* an assessment'
Mr G. de N. Clark: 'A Code of Labour Law?'
Mr R. U. Cooke: 'Southern Californian Metropolis'
Mr W. J. Corlett: 'Forecasts and Plans: The economists' problem'
Dr R. R. Davies: 'The Twilight of a Legal System: the example of Medieval Wales'
Professor L. D. Ettlinger: ' "The Effigy no longer Sleeps": reflections on the Renaissance Tomb'
Mr B. D. Greenslade: 'English and History as Neighbouring Disciplines: how neighbourly?'
Dr Eva Grunwald: 'A Victorian Personality: Mrs Harriet Grote, 1792–1878'
Dr J. B. Hasted: 'Radio Waves in Water'
Dr C. J. Holdsworth: 'The Normans and their Conquest'
Professor J. Hurstfield: 'Humbert Wolfe, Poet of the Thirties'
Mr L. B. Keeble: 'Land Hunger: the problem of prices'
Dr P. H. Kemp: 'Sea and Shore'

Dr H. E. Lewis: 'The Islanders of Tristan da Cunha: a medical study of isolation'
Mr R. J. Loewe: 'Hebrew into English: translation, misrepresentation, or transmutation?'
Mr S. Lushington: 'The Poems of Edward Thomas: fifty years on' (a lecture recital)
Dr D. McNally: 'Are Stars Possible?'
Mr D. P. M. Morton-Williams: 'The King and the Gods in a West African Kingdom'
Dr F. B. O'Connor: 'Soil Animals'
Dr K. A. Sinnhuber: 'Berlin, Two Worlds, One City'
Mr H. S. Smith: 'The Story of Nubia'
Dr C. Vita-Finzi: 'The Mediterranean during the Ice Age'
Professor T. B. L. Webster: 'The Myth of Ariadne'
Dr C. V. Wedgwood: 'Self-help in the Seventeenth Century: some popular guides'
Professor R. Weiss: 'From Medieval to Modern—the Impact of the Renaissance on the Literatures of Western Europe'
Dr L. E. Westrum: 'Views of Polynesia'

LECTURES ARRANGED BY COLLEGE DEPARTMENTS

This list includes only those lectures given by visiting lecturers or by honorary members of the staff.

ANATOMY AND EMBRYOLOGY

Professor Howard Bern, California, Berkeley: 'The Present Status of the Concept of Neurosecretion'
Professor Patrick Wall, Massachusetts Institute of Technology: 'The Organisation of the Dorsal Horn of the Spinal Cord'

BIOCHEMISTRY

Dr W. N. Aldridge, Medical Research Council Toxicology Research Unit, Carshalton: 'Hydrolytic Enzymes and their Inhibitors' (two lectures)
Professor David H. Brown, Washington University, St Louis, Missouri: 'Enzymic Reactions in Glycogen Synthesis'
Professor D. H. Frunder, Friedrich-Schiller-Universität Jena: 'Biochemistry of Liver Injury' (two lectures)
Professor S. V. Perry, Birmingham: 'The Biochemistry of Muscle' (three lectures)
Professor B. A. D. Stocker, Lister Institute of Preventive Medicine: 'Salmonella Antigens—Structure and Genetics' (two lectures)

LIBRARIANSHIP AND ARCHIVES

Dr Theodore Besterman: '20,000 letters: on editing Voltaire's correspondence'

PHARMACOLOGY

Professor F. Bergel: 'Ethics and Aesthetics of Medical Research'

SCANDINAVIAN STUDIES

H. E. The Swedish Ambassador, M. Gunnar Hägglöf, G.C.V.O.: 'Britain and Sweden; from the Vikings to the Common Market'

APPENDIX VI

NUMBERS OF STUDENTS, SESSION 1965–66

	Under-graduates	*Post-graduates*	*Totals*
Faculty of Arts	985 (256)	363 (116)	1,348 (372)
Department of Political Economy ..	150 (3)	10 (2)	160 (5)
Slade School of Fine Art	178 (17)	35 (6)	213 (23)
Bartlett School of Architecture ..	94 (1)	22 (2)	116 (3)
Department of Town Planning ..	45 (45)	147 (90)	192 (135)
School of Librarianship and Archives	— (—)	58 (8)	58 (8)
	1,452 (322)	635 (224)	2,087 (546)
Faculty of Science	857 (2)	458 (73)	1,315 (75)
Faculty of Medical Sciences	224 (1)	10* (1)	234 (2)
Faculty of Engineering	349 (1)	181 (29)	530 (30)
Faculty of Laws	321 (27)	211 (63)	532 (90)
	3,203 (353)	†1,495 (390)	4,698 (743)

The figures in brackets indicate the number of part-time students included in the total under each head.

* This figure excludes 67 full-time and 7 part-time postgraduate students working in the College Faculty of Medical Sciences who were registered in the University Faculty of Science.

† Of this number 1,194 were registered for higher degrees of the University of London; the remainder were working for higher diplomas of the University or of the College, or for higher degrees of other universities, or were engaged in research work, or attending postgraduate lecture courses.

APPENDIX VII

GEOGRAPHICAL DISTRIBUTION OF STUDENTS, SESSION 1965–66

	Under-graduates	*Post-graduates*	*Totals*
UNITED KINGDOM	2,896	948	3,844
BRITISH COMMONWEALTH OF NATIONS			
Australia	5	26	31
Canada	1	46	47
Ceylon	4	13	17
Ghana	6	15	21
Hong Kong	8	8	16
India	11	62	73
Malaya	9	3	12
Nigeria	19	43	62
Pakistan	2	41	43
Singapore	9	9	18
23 other countries	17	11	28
OTHER PARTS OF THE WORLD			
Egypt	1	22	23
France	36	2	38
Germany	24	7	31
Greece	3	14	17
Iran	5	13	18
Iraq	3	9	12
South Africa	7	12	19
U.S.A.	60	75	135
36 other countries	77	116	193
	3,203	1,495	4,698

SUMMARY

United Kingdom	3,844
British Commonwealth of Nations ..	368
Other Parts of the World	486
	4,698

APPENDIX VIII

ADMISSION OF FIRST DEGREE AND FIRST DIPLOMA STUDENTS SESSION 1965–66

	Students Admitted October 1965
FACULTY OF ARTS	
B.A. Honours	
Anthropology (see also Faculty of Science)	9
English	40
French	29
Geography (see also Faculty of Science)	31
German	23
Greek and Latin	13
Hebrew	6
History	29
Italian	12
Philosophy	14
Psychology (see also Faculty of Science)	10
Scandinavian Languages	6
	222
B.Sc.(Econ.)	53
University Diploma in Fine Art	36
B.A. Honours in Architecture	8
FACULTY OF SCIENCE	
B.Sc.(Special)	
Anthropology (see also Faculty of Arts)	5
Astronomy	8
Biochemistry	22
Botany	11
Chemistry	50
Geography (see also Faculty of Arts)	28
Geology	15
Mathematics	50
Microbiology	11
Physics	42
Physiology	10
Psychology (see also Faculty of Arts)	22
Statistics	19
Zoology	15
	308
B.Sc.(Architecture) with Honours	34

	Students Admitted October 1965
FACULTY OF LAWS	
LL.B.	107
FACULTY OF ENGINEERING	
B.Sc.(Eng.)	
Civil and Municipal Engineering	39
Electrical Engineering	35
Mechanical Engineering	36
B.Sc.(Eng.) Degree in Chemical Engineering	28
	138
FACULTY OF MEDICAL SCIENCES	
2nd Examination for Medical Degrees	83
2nd Examination for Dental Degrees	50
	133
Totals	1,039

APPENDIX IX

HIGHER DEGREES AND HIGHER DIPLOMAS

FACULTY OF ARTS

Ph.D. *Anatomy:* Jill R. Parriss. *Architecture:* F. H. Elgohary. *Comparative Philology:* W. O. Kujore. *English:* J. H. Danbury, V. M. Devlin, Barbara McE. Fisher, W. M. Gordon, ‡E. A. Levenston, R. W. Peattie, Margaret E. Penman, D. B. Rankin. *French:* G. V. Banks, Christine H. M. Horton, P. J. Pollard, I. R. Short. *Geography:* M. M. Chaudhury, D. Roden, K. S. Sandhu. *German:* Gabrielle A. M. Mulholland, J. Whitehead. *Greek:* Mary O. Knox. *Hebrew:* A. Rubin. *History:* D. A. Brading, Brenda M. Davies, D. Syrett. *Philosophy:* J. C. Dybikowski. *Phonetics:* R. K. Bansal. *Psychology:* T. M. Caine, J. M. Coleman, Ann R. Grunfeld, Mona A. M. Hughes, Jennifer H. M. Jessup, A. B. Ojha, M. H. Siddiqui. *Scandinavian Studies:* J. le C. Simon. *Town Planning:* M. A. Taylor. [36]

M.A. *Anthropology:* *†Virginia R. C. Luling. *Architecture:* K. Crowhurst, P. B. Carolin, M. H. Fedeski, J. T. Griffiths, G. M. T. Hawkins, Lesley V. Jackson, P. C. Jamieson, J. Lifton, R. C. MacCormac, A. P. Matthews, O. R. Spence, W. J. Thomas, C. R. Todhunter, R. G. MacL. Webster, Prudence Withrington. *English:* *Patricia M. Matthews, S. J. Trussler, *G. J. Turner. *Geography:* Frances N. Mellen. *History:* L. J. Sanders. *Scandinavian Studies:* *M. P. Barnes. *Town Planning:* J. R. Ayling, R. S. Clark, B. J. Payne, M. P. R. Pope, P. Tsitas. [27]

University Postgraduate Diplomas: Archaeology, 2; Archive Administration, 4; General Linguistics, 4; Librarianship, 49; Phonetics, 3; Psychology, 5; Social Anthropology, 2; Town Planning, 28.

College Postgraduate Diplomas: English Linguistic Studies, 1; Town Planning, 15. [113]

FACULTY OF ECONOMICS

Ph.D. M. M. Ismail, J. Wong Chiu Hon. [2]

M.Sc. (Econ.) J. M. A. Gee, F. Husain, F. E. Karemo, M. O. Newton. [4]

M.Sc. in Economics *J. H. Pencavel, A. J. Phipps. [2]

FACULTY OF LAWS

Ph.D. F. J. J. Cadwallader, R. L. Chaudhary, M. Imam, Valentine Korah, B. Misra, I. L. Ohene-Djan, J. S. Okpaluba, C. S. Ola. [8]

LL.M. A. A. Adeogun, I. O. Agbede, ‡M. O. S. Amobi, S. K. Ankama, E. Asomugha, D. M. K. Bishota, J. C. W. Briggs, *Margaret G. Cowan, J. T. Forbes, S. Z. H. S. Gilani, V. I. Goldwater, Angela C. Hudson-Phillips, J. O. Ijaodola, A. G. R. C. Kodilinye, S. G. A. N. Mankabadi, J. C. Njelita, D. C. O. Njemanze, A. A. O. Odunsi, A. O. Ojo, S. M. Oliver, T. A. B. B. Semper, S. Twum, F. E. O. Ume, *E. I. Walker-Arnott, E. M. Watkins, *M. Youssefian. [26]

University Postgraduate Diploma in Law, 2.

*Awarded a mark of distinction. † Also registered at another Institution. ‡ External student.

FACULTY OF SCIENCE

D.Sc. *Biochemistry:* Patricia H. Clarke. *Botany:* P. J. Syrett. *Mathematics:* E. A. Power. [3]

Ph.D. *Anatomy:* Ann M. C. Burgess, C. R. Butler, Jennifer S. Lund, L. E. Westrum. *Animal Genetics:* D. R. Johnson. *Astronomy:* Carole Jordan, B. E. Woodgate. *Biochemistry:* E. M. Chance, J. G. Edwards, A. J. Trewavas, R. Virden. *Biophysics:* C. R. Slater. *Botany:* P. D. Ayling, D. H. Brown, Pearl C. Horn, A. W. Robards, C. L. F. Woodcock. *Chemical Engineering:* W. E. Hornby. *Chemistry:* J. Aspden, A. J. Bloodworth, P. F. Christy, H. P. Cleghorn, M. Dakubu, H. f. S. Davies, S. Doonan, W. Errington, G. Fischer, D. C. Lindsey, R. A. Ross, M. R. Snow, G. S. F. Hazeldean, M. J. Hudson, W. R. Symes, C. S. Williams, P. R. Woolliams. *Geography:* W. J. Brown. *Geology*: G. H. Long, A. Gollesstaneh, D. Hallett. *History of Science:* E. A. Marland. *Human Genetics and Biometry:* Linda J. Stevens. *Mathematics:* †R. N. Hills, K. E. Hirst, D. G. Larman, R. R. McLone, S. Majumdar, N. N. Mikhail, S. Mukhoti. *Physics:* N. Ahmad, P. Allen, S. Beg, C. H. Bloomfield, L. Castell, A. G. Craig, J. L. C. Culhane, J. E. G. Farina, R. G. Keesing, B. R. C. Martin, P. de A. P. Martins, M. J. H. Mogridge, D. L. Moores, J. E. Nicholls, A. J. Rogers, G. Ryding, G. Shaw, Jillian Shemming, R. J. Speer, D. T. Walton. *Physiology:* N. F. Clinch, S. Lal, R. C. Woledge. *Psychology:* Christine M. Coulouris, D. Legge, R. Phillips, T. Shallice. *Statistics:* R. K. Herlekar. *Zoology:* C. J. Fielding, J. M. Rubio Cardiel. [78]

M.Sc. *Architecture:* J. R. Chalmers, R. A. Darke, I. A. MacClements. *Biochemistry:* J. N. C. Atkinson, Rachel A. Fisher, E. H. Harley, M. L. Hayes, Y. Magaji. *Botany:* ‡P. J. A. Howard. *Chemistry:* P. G. H. Byfield, T. J. Conlon. *History & Philosophy of Science:* M. Chapple, R. H. Naylor, A. J. M. Szanser, J. E. M. Williams. *Microwaves:* C. D. Payne. *Physics:* M. S. Bridgett, V. B. Sheorey. *Physiology:* P. E. King-Smith, K. M. Kretzschmar. [20]

M.Sc. in Science. *Biochemistry:* T. M. Andrews, C. J. Coulson, Judith E. Gee-Clough, Margaret A. Wilkinson. *Hydrogeology:* A. T. Laws, P. B. Melissaris, Y. Suleiman, J. U. Uzoma. *Micropalaeontology:* D. J. Batten, A-R. I. H. Futyan, R. A. Horn, R. E. M. James. *Statistics:* H. Ali, A. Baruya, B. S. Everitt, Li Kam Yuk, G. D. M. S. Rayer, L. A. Silman, A. S. Willmott, G. Wilson. [20]

University Postgraduate Diploma in Statistics, 1.

College Postgraduate Diplomas: Conservation, 9; Hydrogeology, 4; Micropalaeontology, 5; Space Science, 6. [25]

FACULTY OF ENGINEERING

Ph.D. *Chemical:* A. Cohen. *Civil:* M. H. R. Godley, J. Roorda, S. C. Tillman. *Electrical:* L. K. Brundle, R. Fogg, B. E. Rance, A. E. Williams. *Mechanical:* W. D. Dover, P. Wibulswas. *Photogrammetry & Surveying:* N. Tawfik. *Physics:* R. W. Procunier. [12]

M.Sc. (Eng.) *Electrical:* P. A. C. Amechi, K. A. Essuman, Mok Chuck Kng, O. C. Penge, G-R. S. Serophim, A. O. Yousef. [6]

† Also registered at another Institution. ‡ External student.

College Postgraduate Diplomas: Biochemical Engineering, 5; Chemical Engineering, 3; Microwave Engineering, 12; Photogrammetry, 8; Surveying, 3. [31]

FACULTY OF MEDICINE

Ph.D. *Anatomy:* H. I. El-Eishi, J. M. Mungai, Wong Wai Chow. *Pharmacology:* Mary M. Dale. [4]

APPENDIX X

COLLEGE AND UNIVERSITY AWARDS TO STUDENTS

COLLEGE AWARDS

Anatomy Prizes.—Medical: Anne G. Russell. *Dental:* C. D. Bellamy; W. E. Dais.

Charlotte Ashby Prize (*Laws*).—R. A. Deacon.

Babcock & Wilcox Medal & Prize (*Mechanical Engineering*).—P. Robinson.

Sarah M. Baker Memorial Medal & Prize (*Botany*).—I. K. Smith.

Sir Banister Fletcher Prize and Medal (*Architecture*).—Lesley V. Jackson.

Herbert Batsford Prize (*Architecture*).—T. J. Fanstone.

Thomas Witherden Batt Scholarships (*Science*).—A. W. Odell; D. Y. Thomas.

Leonard Bayliss Memorial Prize (*Physiology*).—Jean A. Ennever.

Francis Perch Bedford Prize (*Zoology*).—G. E. Moores.

Ada Heather Bigg Prize (*Economics*).—A. Roberts.

Bonney Prize (*Geology*).—G. K. Ward.

Brodrick-Parry Prize (*Geography*).—M. R. Handley Jones.

Margaret Browne Studentship (*Zoology*).—N. J. Strausfeld.

'The Builder' Prize (*Architecture*). (December 1965 award).—J. J. Malaiperuman.

Bunnell Lewis Prize for Latin Verse.—J. H. Willetts.

Carey Foster Research Prize (*Physics*).—G. Shaw.

The Chadwick Medal and Prize (*Civil Engineering*).—M. Maclaren.

Churchill-Jenkinson Prize (*Archive Administration*).—Janet Percival.

Antonio Cippico Medal and Prize (*Italian*).—K. P. Rink.

Lilian Clarke Prize (*Botany*).—Rosemary J. Hamilton.

Clinton Prize (*Electrical Engineering*).—C. J. Wakeman.

Corte Studentship in Mathematics.—J. M. Pollard.

Cowley Prizes.—Librarianship: D. H. Knott; Sallie Shapiro. *Archive Administration:* Valerie M. Hart and M. I. Moir, Prize equally divided.

Donaldson Medal (*Architecture*).—Judith A. E. Hudson.

Early English Text Society's Prize.—Carol J. Lawton and Lesley A. N. A. Stewart, Prize equally divided.

Postgraduate Scholarships in Economics.—P. B. Goodwin; Ann E. M. Johnston.

Esso Postgraduate Studentship in Chemical Engineering.—Whang Sun Tze.

Foyle Prize (*Latin*).—D. A. B. Thomas.

Stephen Glanville Memorial Scholarship (*Egyptology*).—Anne Millard.

Trevelyan Goodall Art Scholarship (Entrance).—N. Wegner (Fine Art).

Edith Goodyear Prize (*Geology*).—T. Walker.

Violet Hall Prize (*French*).—Ruth H. Thomas.

Archibald P. Head Medal and Prize (*Mechanical Engineering*).—M. Pourghadiri.

Heimann Medal (*German*).—R. H. Stephenson.

Elsie Hitchcock Prize (*English*).—M. J. Randle.

John Oliver Hobbes Memorial Scholarship in Modern English Literature.—Margaret A. Marshment and M. J. Randle, Scholarship equally divided; L. A. Dunkley (1965 award).

Hollier Scholarship in Greek.—C. W. Dearden.

Hollier Scholarship in Hebrew.—Amira Fletcher.

R. B. Hounsfield Scholarship in Traffic Engineering.—P. R. Stopher.

Joseph Hume Scholarship in Jurisprudence.—Cheung Kwok Wai.

Hurst Prize in English Law.—R. D. Jenkins.

Sir Hilary Jenkinson Scholarship in Archive Administration.—S. C. Newton.

Jolowicz Prize (*Roman Law*).—J. A. Paulson.

Ker Memorial Prize (*English*).—Joan M. Lord.

Kitson Prizes (*Chemical Engineering*).—P. D. B. Bujac; W. D. Preston.

Sir John MacAlister Medal (*Librarianship*).—J. P. Perkins.

Malden Scholarship (*Greek*).—Valerie Land.

Medical Postgraduate Scholarship.—Jane E. Brown.

Sir William Meyer Prize (*Geography*).—D. J. B. Shaw.

Sir William Meyer Prize (*History*).—Rosemary L. Jones.

Sir William Meyer Travelling Studentships.—R. Bevan; Rosemary A. Briggs; Janet A. Crabtree; W. D. M. Lindsay; P. M. Williams; M. L. Wright.

Momber Scholarship in Physics.—F. B. Dunning.

Rosa Morison Postgraduate Scholarships in Arts.—Janine D. Bourriau; Anne Millard.

Morley Medal (*Modern English Literature*).—Margaret A. Marshment.

Morris Prize (*Geology*).—N. M. Worsley.

Oliver Scholarship (*Botany*).—D. Cooper.

Physiology Prizes.—Medical: Patricia E. Tidy. *Dental:* C. D. Bellamy.

Platt Prizes (*Greek*).—D. Hughes; D. A. B. Thomas.

Theodora Prankerd Memorial Scholarship in Botany.—Brenda Matfield.

Ramsay Memorial Medal (*Chemistry*).—K. W. Turnbull.

Graham Robertson Travelling Scholarship (*Fine Art*).—C. R. Burrows and A. Howling, Scholarship equally divided.

Robert Ross Scholarship in Fine Art.—P. O'Reilly.

Hester Rothschild Scholarship in Hebrew.—Amira Fletcher.

Stevenson Prize (*Applied Mathematics*).—B. H. Browne.

Suckling Memorial Prize (*Practical Anatomy*).—Anne G. Russell.

Sir Andrew Taylor Prize in Architecture.—J. Lifton.

Taylor Woodrow Travelling Scholarship (*Civil Engineering*).—M. S. Rolls.

Troughton Scholarship.—Subha Sen Gupta Ray.

Ellen Watson Memorial Scholarship (*Applied Mathematics*).—M. Alsford.

Audrey Wykeham Prize (*Fine Art*).—G. G. Teasdale.

FACULTY MEDALS AND PRIZES

Arts: Rosa Morison Medals and Prizes.—J. A. Butterworth, M.R. Handley Jones, Rosemary L. Jones, and Ruth H. Thomas.

Laws: Andrews Medal and Prize.—M. R. Freedland.

Science: Medal and Prize.—F. B. Dunning.

Engineering: Goldsmid Medal and Prize: A. M. Jones and M. A. Peck, Medal each and Prize equally divided.

SESSIONAL PRIZES

Anthropology: Rosa Morison Prize.—Natalia de Chroustchoff.

Architecture: Bartlett Prizes.—(1) Janet E. Crane. (2) Jane M. Stansfeld.

English: Campbell Clarke Scholarships.—(1) Jane M. Berry. (2) Daphne Y. Pike. *West Scholarship.*—Joan M. Lord.

French: Rosa Morison Prizes.—(1) Elizabeth M. Prosser. (2) Philippa R. Freshman. (3) Elizabeth F. G. Tootill.

Geography: College Prize.—R. M. Smith. *Maconochie Prize.*—Janet M. Howard. 1903 *Prize.*—Linda A. Newson.

German: Robertson Prize.—Anita C. Pollard. *Willoughby Prize.*—Carol M. Taylor.

Greek: Long Prize.—L. A. McSweeney, M. J. Turner and Charlotte N. Ware, Prize equally divided.

History: Dolley Prize.—M. L. Wright. *Pollard Prize.*—Ruth M. Issacharoff. *West Prize.*—P. Cockton and Katrina E. Webster, Prize equally divided.

Italian: Sir Anthony Panizzi Prize.—P. J. Haslegrave.

Latin: Key Prize.—Charlotte N. Ware.

Philosophy: Dawes Hicks Scholarships.—(1) K. Graham. (2) A. D. D. Kilpatrick.

Political Economy: Hume-Lloyd Scholarships.—(1) S. J. Couldry. (2) B. E. Partridge. (3) Gabrielle C. Goodson.

Laws: Andrews Prizes.—(1) Helen H. B. Galas. (2) C. R. Hall. (3) R. D. Jenkins. (4) S. Pleece. (5) A. Sumawong.

Astronomy: Huggins Prizes.—K. George; K. J. H. Phillips.

Biochemistry: Jack Drummond Prize.—A. W. Dunlop. *Plimmer Prize.*—P. L. Stanley.

Botany: Darwin Prize.—Mary E. Studley. *Robert Hooke Prize.*—Clare Heywood and Marise M. Hornstein, Prize equally divided.

Chemistry: C. K. Ingold Prizes.— (1) A. G. Knapp. (2) F. L. Pearce.

Geology: Chubb Prize.—S. J. Lippard and M. J. Morrey, Prize equally divided.

Mathematics: Filon Prize.—B. H. Browne and T. Knowles, Prize equally divided. *Hill Prize.*—Susan J. Poate. *Jeffrey Prize.*—J. Cohen.

Physics: William Bragg Prize.—T. A. Broome. *Oliver Lodge Prize.*—A. Roberts. *Wood Prize.*—D. N. Tovee.

Physiology: Foster Prize.—C. N. Scholfield. *Sanderson Prize.*—Helen C. B. Lack.

Psychology: McDougall Prize.—Hazel M. Douglas and P. E. Langford, Prize equally divided. *Spearman Prize.*—Janet E. Stockdale.

Statistics: Egon Pearson Prize.—J. R. Shelton. *Karl Pearson Prize.*—A. J. Fox.

Zoology: (1) R. P. Harris. (2) W. S. Webster.

Chemical Engineering: Goldsmid Prizes.—(1) C. G. Harvey. (2) C. E. Jones.

Civil and Municipal Engineering: Goldsmid Prizes.—(1) R. J. Holden. (2) N. J. Dixon.

Electrical Engineering: Goldsmid Prizes.—(1) D. N. Willis. (2) M. A. Fuller.

Mechanical Engineering: Goldsmid Prizes.—(1) J. J. Stow. (2) J. C. Bennett and A. E. Hunt, Prize equally divided.

UNIVERSITY AWARDS

UNIVERSITY POSTGRADUATE STUDENTSHIPS

Chemistry: R. J. Puddephatt. *English:* A. H. de Quehen, S. Trussler. *French:* Jennifer R. Walters. *Geography:* P. J. Jarvis, D. J. Unwin. *Geology:* C. Mortimer. *German:* Charmian Langmuur. *Hebrew:* D. Sperber. *Phonetics:* A. W. Jones. *Physics:* B. Brook (*George William Britt Studentship*).

UNIVERSITY POSTGRADUATE TRAVELLING STUDENTSHIP

Anthropology: Suzette S. Heald.

UNIVERSITY FINALS STUDENTSHIPS

Anatomy: R. L. Tresman. *Classics:* J. A. Butterworth (*Arthur Platt Studentship*). *History:* J. E. Hancock, Rosemary L. Jones (*Derby Studentship*), Jane L. Rendall. *Physics:* F. B. Dunning. *Psychology:* P. C. Humphreys.

APPENDIX XI

FIRST DEGREE, DIPLOMA, AND CERTIFICATE EXAMINATION RESULTS

FACULTY OF ARTS

B.A. Honours	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Total
Anthropology	—	2	4	—	6
Classics	2	1	2	6	11
English	3	7	19	5	34
French	4	6	5	4	19
Geography	2	13	10	—	25
German	1	9	4	1	15
Hebrew	—	2	1	—	3
History	5	20	11	1	37
Italian	1	3	—	—	4
Latin	—	—	—	1	1
Philosophy	1	5	7	—	13
Psychology	—	5	1	3	9
Scandinavian Languages	—	1	4	1	6
	19	74	68	22	183

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Total
B.A. Honours in Architecture	2	1	2	1	6

University Diploma in Fine Art : 41 students passed.

College Certificate in Landscape Design : 1 student passed.

College Certificates in Phonetics : 49 students passed.

FACULTY OF LAWS

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	Pass	Total
LL.B.	4	17	35	19	75

FACULTY OF SCIENCE

B.Sc.(Special)	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Pass	Total
Anatomy	4	5	3	—	—	12
Anthropology	—	1	—	—	—	1
Astronomy	—	—	1	3	—	4
Biochemistry	2	10	6	2	—	20
Botany	2	4	1	—	—	7
Chemistry	6	15	11	3	—	35
Geography	—	6	9	1	—	16
Geology	—	1	1	1	—	3
Mathematics	4	4	11	13	3	35
Microbiology	2	3	—	1	—	6
Pharmacology	2	1	1	—	—	4
Physics	10	9	9	7	1	36
Physiology	4	15	3	1	—	23
Psychology	5	6	4	2	—	17
Statistics	1	2	6	1	—	10
Zoology	2	4	2	1	—	9
	44	86	68	36	4	238

B.Sc. Degree	Pass	Total
Botany	2	2
Chemistry	2	2
Physics	5	5
Statistics	7	7
	16	16

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Total
B.Sc. (Architecture) with Honours	1	2	5	3	11

FACULTY OF ENGINEERING

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3nd Class Honours	Pass	Total
B.Sc. (Engineering) (Revised Regulations)	6	10	12	22	4	54
B.Sc. (Engineering) (Old Regulations)	—	—	—	—	1	1
B.Sc. (Engineering) (Chemical Engineering)	5	6	9	8	1	29

FACULTY OF ECONOMICS

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	3rd Class Honours	Pass	Total
B.Sc. (Economics)	—	14	22	7	1	44

FACULTY OF MEDICINE

Second Examination for Medical Degrees: 73 students passed.

Second Examination for Dental Degrees : 37 students passed.

APPENDIX XII

BENEFACTIONS AND DONATIONS

The College Committee makes grateful acknowledgment of the following gifts:

Admiralty

A grant of £1,550 for one year from 1 January 1966 for research in the Department of Electrical Engineering into plasma phase shifter.

Agricultural Research Council

(1) A grant of £1,002 for one year from 1 October 1965 for research in the Department of Mechanical Engineering into the abrasive wear of metals by non-metals.

(2) A grant of £2,254 for one year from 1 February 1966 for research in the Department of Chemistry on mode of binding and function of the metal ion in metalloproteins containing paramagnetic transition metal ions.

Albright and Wilson Limited

A grant of £600 per annum and an additional grant of £50 per annum for three years from October 1965 for a research studentship in the Department of Chemistry.

Asthma Research Council

A grant of £3,600 for three years from 1 October 1965 for research in the Department of Pharmacology on problems of mechanism of anaphylaxis.

Atomic Energy Research Establishment

A grant of £350 for one year from 1 September 1965 for experiments in the Department of Mechanical Engineering on large gas bubbles in liquids.

Automobile Association

A grant of £2,000 per annum for three years for the Department of Civil and Municipal Engineering to initiate a Chair of Traffic Studies and to support the work of a research group.

Boise Fund, University of Oxford

A grant of £450 for research in the Department of Anthropology on serum and red cell protein variants in wild troops of baboons.

The British Academy

A grant of £1,500 for the year 1966-67 towards the cost of the production of a definitive edition of the works of Jeremy Bentham.

The British Academy (Pilgrim Trust Research Fund)

A grant of £750 for the year 1965 towards the cost of the production of a definitive edition of the works of Jeremy Bentham.

The British Diabetic Association

A grant of £950 for one year from 1 February 1966 for expenses of insulin studies carried out by a member of staff of the Department of Biochemistry.

British Empire Cancer Campaign

A grant of £2,496 for one year from 1 October 1965 for research in the Department of Anatomy and Embryology on nucleic acids in embryonic cells.

British Nylon Spinners Limited

Grants of £527 for the years 1963 and 1964 and £500 plus fees for the year 1965 for research studentships in the Department of Chemistry.

California Foundation for Biochemical Research

A grant of $1,500 for the year 1966–67 for a studentship in the Department of Botany under Professor Fowden.

Cement and Concrete Association

A grant of £250 for research in the Department of Civil and Municipal Engineering in concrete technology.

Central Electricity Generating Board

A grant of £625 for one year from 1 October 1965 for research in the Department of Chemistry on electrical conductivity of deeply coloured polymers.

Dame Harriette Chick and Mrs Elsie Blackman

A grant of £200 for amenities in students' residences.

Civil Engineering Research Association

A grant of £5,500 for three years from 1 October 1965 for research in the Department of Civil and Municipal Engineering on sludge blanket clarifiers.

Lieutenant Colonel B. E. Coke

An additional grant of £2,000 for the Department of Scandinavian Studies for the Dorothea Coke Memorial Lecture Fund, and an additional grant of £100 for the printing of the Lecture.

Cold Rolled Sections Association

A grant of £1,250 for one year from 1 October 1965 for research in the Department of Civil and Municipal Engineering on cold rolled sections.

Dr Mary Collis

A gift to Library Archives of three class certificates awarded to William Skelding for Botany, Materia Medica and Therapeutics, and Principles and Practice of Medicine, dated 1839, 1840, and 1841.

Council of the London Borough of Camden

A grant of £1,000 for the Centre for Urban Studies for a preliminary study of housing and rents problems in the Borough of Camden.

Danish Government

Grants of £75 for 1964–65 and £100 for 1965–66 being the contribution towards providing the allowance payable to a visiting Professor of Scandinavian Studies.

Mrs Louisa A. Davidge

Two bequests of £200 each, £200 in augmentation of the Benevolent Fund and £200 to be used at the discretion of the Faculty of Engineering to assist needy students, together with a residuary legacy for the same purpose.

Department of Education and Science

An additional grant of £2,036 for three years from 1 September 1964 for the Communication Research Centre for a research project in the study of contemporary English.

Diamond Corporation

Grants of £600 for one year from 1 October 1965 and £600 for one year from 1 October 1966 for research in the Department of Chemistry on diamonds.

Esso Petroleum Company Limited

A grant of an additional £50 per annum from 1 October 1965 for each postgraduate studentship awarded in the Department of Chemical Engineering.

The Gas Council

A grant of £200 for one year from 1 October 1965, being an apparatus grant for a Gas Council Research Scholar in the Department of Chemical Engineering.

Greater London Council

(1) A grant of £5,000 per annum for seven years for the Department of Civil and Municipal Engineering to initiate a Chair of Traffic Studies and to support the work of a research group.

(2) A grant of £4,000 for a sociological survey of open space to be carried out by the Centre for Urban Studies.

Gulbenkian Foundation

A grant of £3,000 for the Slade School of Fine Art to assist in providing film programmes for teaching purposes.

Home Office

An additional grant of £519 for one year from 1 April 1965 for research in the Department of Psychology on recidivism of young offenders.

Hooker Chemical Corporation

A grant of $4,200 for one year from 1 October 1965 for research in the Department of Chemistry on the reactivity of co-ordinated ligands and certain potential inorganic polymers.

Imperial Chemical Industries

(1) A grant of £1,081 for the purchase by the Department of Chemistry of a Cahn electrobalance and vacuum bottle accessory to be held on indefinite loan.

(2) A grant of £970 per annum plus fees for three years from 22 November 1965 for a research studentship in the Department of Chemistry.

(3) A grant of £360 for the purchase of a visicorder to be on loan to the Department of Chemical Engineering.

International Computers and Tabulators Limited

A grant of £2,000 per annum for approximately 2 years for the Department of Civil and Municipal Engineering for a research fellowship in Traffic Studies.

Mrs Blanche Langton

A gift of her Egyptian Collection to the Department of Egyptology.

Leverhulme Trust Fund

Additional grants of £1,100 and £1,040 for five years from January 1963 for research in the Department of Architecture into the education of architects.

London Master Builders' Association

(1) A grant of £4,500 per annum for fourteen years from 1 October 1965 to enable a Chair of Building to be established in the Department of Architecture.

(2) A grant of £2,000 to enable an additional lecturer to be appointed for 1966–67 in the Department of Architecture.

Mrs B. G. Macdonald

A grant of £5,000 for the advancement of postgraduate work in the College on the recommendation of the Heads of the Departments of Biochemistry and Botany.

Marconi Instruments Limited

A grant of £1,500 per annum to establish a research studentship for postgraduate students in the Department of Electrical Engineering.

Measuring and Scientific Equipment Limited

The loan to the Department of Biochemistry of a prototype zonal ultracentrifuge.

Medical Research Council

(1) An additional grant of £1,365 for three years from 1 August 1964 for research in the Department of Biophysics on the mechanism of visual excitation.

(2) Grants of £1,200 for one year from 1 November 1964 and £900 for three years from 1 November 1964 for research in the Department of Biochemistry on hormones and protein synthesis in muscle.

(3) Grants of £750 for nine months from 1 December 1964 and £250 for three months from 1 September 1965 for investigation in the Department of Physiology into the transmission of information about external stimuli in primary and second order receptor neurones.

(4) A grant of £3,175 for two years from 1 April 1965 for statistical study in the Department of Human Genetics and Biometry of factors in the aetiology of spontaneous abortion.

(5) An additional grant of £2,100 for three years from 1 April 1965 for research in the Department of Pharmacology on the action of psychotropic drugs.

(6) A additional grant of £149 for eighteen months from 28 May 1965 for studies in the Department of Physiology of the properties of isolated muscle during contraction and relaxation.

(7) A grant of £2,055 for one year from 1 July 1965 for study in the Department of Physiology of the mechanism of formation and drainage of the cerebrospinal fluid.

(8) A grant of £1,909 for fifteen months from 1 July 1965 for research in the Department of Botany on the characterisation of mitochondrial DNA and its role in the morphogenesis of the mitochondrion of saccharomyces cervisiae.

(9) A grant of £1,350 for one year from 1 July 1965 for the Department of Anatomy and Embryology for scientific assistance in a study of synaptic structure in the autonomic nervous system.

(10) A grant of £250 for three months from 12 July 1965 for research in the Department of Psychology on cognitive processes.

(11) A grant of approximately £2,050 for the period 13 July 1965 to 31 July 1967 for research in the Department of Biophysics on photoconductive changes in rod outer segments.

(12) A grant of £1,152 for two years from 19 July 1965 for study in the Department of Biochemistry of protein synthesis in mitochondria.

(13) Grants of £955 and £82 10*s*. for one year from 1 August 1965 and £1,075 for one year from 1 August 1966 for research in the Department of Physiology on the central control of muscle spindles.

(14) A grant of £3,450 for three years from 1 September 1965 for investigation in the Department of Biochemistry of the mechanism of action of glutamic dehydrogenase.

(15) A grant of £400 for approximately one year from 1 September 1965 for research in the Department of Physiology on histological identification of alpha and gamma motor neurones.

(16) A grant of £2,595 for two years from 1 October 1965 for research in the Department of Chemistry on structure and biological activity of the wasp venom kinins.

(17) A grant of £700 for one year from 1 October 1965 for the Department of Biochemistry for scientific assistance in an investigation of the structure and mode of synthesis of cell walls of *Pseudomonas* species.

(18) A grant of £608 for nine months from 1 October 1965 for research in the Department of Psychology on effective disorders in schizophrenia.

(19) A grant of £340 for two years from 1 October 1965 for research in the Department of Pharmacology on identification of urogastrone.

(20) A grant of £300 for one year from 1 October 1965 for research in the Department of Biochemistry on the isolation of the messenger-RNA for the synthesis of amidohydrolase in *pseudomonas aeruginosa*.

(21) An additional grant of £150 for one year from 1 October 1965 for a kinetic and calorimetric study in the Department of Biochemistry of isocitrate lyase enzyme reaction.

(22) A grant of £685 for one year from 3 October 1965 for study in the Department of Physiology of the long-term effects of polarizing currents on the rat cerebral cortex.

(23) A grant of £1,585 for one year from 16 October 1965 and an additional grant of £66 0*s*. 10*d*. with extension of date to 30 September 1966, for investigation in the Department of Physiology of the relative importance of alpha and gamma activation in muscle reflexes.

(24) A grant of £662 6*s*. 8*d*. for eleven months from 1 November 1965 for research in the Department of Anthropology on the chemical composition of some primate haemoglobins.

(25) A grant of £1,079 for six months from 1 December 1965 for psychological study in the Department of Psychology of the children of school age in the Tristan da Cunha settlement.

(26) A grant of £3,605 for three years from 1 January 1966 for research in the Department of Physiology on histochemical and autoradiographic studies of the location of enzymes and substances in the vertebrate central nervous system.

(27) A grant of £2,700 for three years from 1 January 1966 for an investigation in the Department of Psychology of the relation between the latency and the probability of a response in a situation involving choice.

(28) A grant of £1,405 for one year from 1 January 1966 for investigation in the Department of Chemistry of molecular size and shape of muscle proteins in dilute solution.

(29) A grant of £10,796 for three years from 1 October 1966 and an additional grant of £70 for research in the Department of Biophysics in relations between ions and metabolism.

(30) A grant of approximately £1,320 for three years for research in the Department of Physiology on the nature of mechanical linkages in connective tissue frameworks.

(31) A grant of approximately £660 for a study in the Department of Physiology of the effects on behaviour, and on spinal reflexes, of crossing peripheral nerves in amphibians.

MINISTRY OF AVIATION

(1) Grants of £2,547 for one year from 1 January 1965 and £957 for one year from 1 January 1966 for investigation in the Department of Electrical Engineering of microwave aerials in plasma.

(2) Grants of £2,355 for one year from 1 May 1965 and £2,328 for one year from 1 May 1966 for investigation in the Department of Mechanical Engineering of heat transfer ignition and quenching phenomena in narrow passages.

(3) Grants of £775 and £267 for one year from 1 August 1965 for investigation in the Department of Mechanical Engineering of a new method of solving aeroelastic problems.

(4) A grant of £1,812 for one year from 1 September 1965 for investigation in the Department of Electrical Engineering of the subject of correlation of speech wave forms under certain conditions.

(5) A grant of £3,209 for one year from 1 October 1965 for investigations in the Department of Psychology on psychological aspects of flight deck environment and work loads in civil airlines.

(6) Grants of £1,841 and £367 for one year from 1 October 1965 for research in the Department of Mechanical Engineering on the performance of flame traps under given conditions.

(7) A grant of £1,577 for one year from 1 October 1965 for basic studies in the Department of Electrical Engineering of problems in radome performance.

(8) A grant of £1,445 for one year from 1 October 1965 for research in the Department of Mechanical Engineering in packaging dynamics.

(9) A grant of £1,272 for one year from 1 October 1965 for research in the Department of Chemical Engineering on the catalytic combustion of hydrocarbons.

(10) A grant of £525 for one year from 1 November 1965 for a review in the Department of Chemistry of hetero-aromatic compounds of interest in polymer synthesis.

(11) A grant of £3,948 for one year from 1 December 1965 for investigation in the Department of Electrical Engineering of VHF radio propagation.

(12) A grant of £3,150 for one year from 1 December 1965 for study in the Department of Electrical Engineering of solar induced interference at microwave frequencies.

(13) A grant of £262 for one year from 1 January 1966 for experimental analysis in the Department of Mechanical Engineering of turbine blade performance.

(14) A grant of £2,047 for one year from 1 February 1966 for theoretical

study in the Department of Chemistry of the bond strengths of various inorganic links of interest in the high-temperature polymer field.

(15) A grant of £550 for one year from 1 April 1966 for research in the Department of Mechanical Engineering on diffused metallic coatings for steel.

Ministry of Defence

(1) An additional grant of £553 for one year from 1 January 1965 and a grant of £2,344 for nine months from 1 January 1966 for theoretical and experimental study in the Department of Electrical Engineering of correlation techniques for time delay measurement.

(2) An additional grant of £250 for one year from 1 January 1965 and a grant of £350 for one year from 1 January 1966 for research in the Department of Civil and Municipal Engineering on inflated structures.

(3) A grant of £2,292 for seven months from 1 June 1965 for research in the Department of Physics on atmospheric density measurements above 1,000 km. by observations of satellite drag.

(4) Grants of £3,410 and £364 for one year from 1 October 1965 for research in the Department of Electrical Engineering on vacuum electronics and semiconductors.

Ministry of Health

(1) A grant of approximately £120 for two months from 1 August 1965 for tests in the Department of Mechanical Engineering on the Roehampton-Kiessling control valves and on a valve developed in the department for closed-loop position control for artificial limbs.

(2) A grant of £6,000 for two years from 1 October 1965 for research in the Department of Mechanical Engineering into control of artificial arms.

(3) A grant of £3,500 for one year from 1 October 1965 for an investigation in the Bartlett School of Architecture for a study of factors affecting the length of a stay in hospital.

(4) A grant of £4,200 for two years from 1 January 1966 for research in the Department of Mechanical Engineering into powered artificial limbs.

Ministry of Labour

A grant of £2,004 for one year from 11 February 1966 for investigation in the Department of Psychology on conversion training in British Railways using a synthetic trainer.

Ministry of Public Building and Works

(1) A grant of £4,127 for one year from 1 January 1966 for a study in the Department of Political Economy of trends in building prices.

(2) A grant of £1,200 for seven months from 1 January 1966 for a study of statistics in the Bartlett School of Architecture for the construction industry.

Ministry of Technology

A grant of £312 for three months from 1 July 1965 for research in the Department of Mechanical Engineering on the motion of shafts.

Muscular Dystrophy Group of Great Britain

A grant of £1,100 for one year from 1 October 1965 for research in the Department of Biochemistry on protein synthesis in muscle.

National Institute for Research in Nuclear Science

A additional grant of £7,067 with extension of date to 30 September 1966 for the Department of Physics, for operation of the heavy liquid bubble chamber.

National Multiple Sclerosis Society, New York

A grant of $12,000 for one year from 1 October 1966 for a postdoctoral fellowship in the Department of Biophysics.

National Science Foundation

(1) A grant of $200 for the year 1965–66 for the Department of Mathematics for the expenses of the North Atlantic Treaty Organisation postdoctoral fellow.

(2) A grant of £177 17*s.* 6*d.* for one year from 1 September 1965 for expenses allowance for a member of staff of the Department of Chemistry.

(3) A grant of $200 for one year from 1 October 1965 for the Department of Chemistry for postdoctoral fellowship expenses.

(4) A grant of $500 for one year from 14 October 1965 for fellowship expenses allowance in the Department of Botany.

The Natural Environment Research Council

(1) A grant of £1,340 for three years from 1 January 1966 for research in the Department of Geology on stratigraphy, palaeontology and micropalaeontology of the Jurassic rocks of Portugal, and similar rocks occurring in the Swiss Jura.

(2) An additional grant of £3,079 with extension of date to 31 July 1967 for research in the Department of Geology on electron probe analysis of microvolumes of various substances.

(3) An additional grant of £1,356 with extension of date to 31 July 1969 for investigation in the Department of Geology on effects of pressure and temperature on the deformation and fracture of rocks, mineral crystals and related materials, with particular application to problems of geotectonics.

The Nature Conservancy

A grant of £100 for six months from 1 July 1966 for study in the Department of Geography of the physiography of Poole Harbour.

Nature Method Centre

A grant of £250 for the Department of English for the Survey of Educated English Usage.

Norwegian Government

Grants of £75 for the year 1964–65 and £100 for the year 1965–66, being a contribution towards providing the allowance payable to a visiting Professor of Scandinavian Studies.

Nuffield Foundation

(1) Grants of £1,058 for one year from 1 April 1964 and £11,000 for approximately sixteen months from 1 January 1966 for the Centre for Urban Studies to support the Third Survey of London Life and Labour.

(2) An additional grant of £1,063 18*s.* 4*d.* for one year from 1 August 1964 for the Department of Botany for the maintenance of the Nuffield Botanic Research Garden.

(3) A grant of £6,000 for three years from 1 July 1966 to estabish a new laboratory for neurological studies in the Department of Biophysics.

(4) A grant of £2,000 for one year for the Department of Geography for the purchase of equipment and to cover expenses for visits to the Mediterranean area in connection with field studies on soil erosion phenomena.

Mr and Mrs N. A. Owings

A grant of £1,000 to enable a student or students in the Bartlett School of Architecture to travel and study in the United States.

The Pilgrim Trust

A grant of £1,000 per annum for five years from May 1966 towards the cost of the production of a definitive edition of the works of Jeremy Bentham.

Max Rayne Foundation

An additional grant of £50,000 towards the cost of 4-8 Endsleigh Gardens.

Rees Jeffreys Road Fund

A grant of £2,000 per annum for approximately two years for the Department of Civil and Municipal Engineering to initiate a Chair of Traffic Studies and to support the work of a research group.

Royal National Institute for the Blind

A grant of £900 for one year from 1 November 1965 for investigation in the Department of Biochemistry of retinitis pigmentosa in rats.

Royal Society

(1) A grant of £700 for the year 1966 for the Department of Chemistry for shock-wave studies of unimolecular eliminations.

(2) A grant of £2,500 for investigation in the Department of Electrical Engineering on wave interactions in semi-conductors.

(3) A grant of £1,464 for the Department of Anthropology for a study of the Hadza people in Tanzania.

(4) A grant of £574 16*s*. to enable a member of staff in the Department of Zoology to attend the Sixth International Congress of Electron Microscopy in Japan and to visit laboratories.

R. J. Sainsbury Charitable Fund

A grant of £1,500 for the Slade School of Fine Art for the benefit of young sculptors.

R. J. Sainsbury Discretionary Settlement

A grant of £1,000 less tax for the Slade School of Fine Art for the benefit of young sculptors.

Science Research Council

(1) An additional grant of £1,300 for three years and eight months from 1 January 1964 for studies in the Department of Psychology in the training of adult workers.

(2) Additional grants of £3,935 and £421 for two years and seven months from 1 January 1965 for photometric study in the Bartlett School of Architecture of daylight in buildings.

(3) Grants of £811 14*s.* for five months from 1 January 1965 and £3,120 for six months from 1 April 1966 for the purchase by the Department of Physics of computing time for film analysis.

(4) Additional grants of £2,115 and £1,126 16*s.* 11*d.* for one year from 1 May 1965 for the Department of Physics for Rutherford Laboratory Bubble Chamber experiments at CERN.

(5) Grants of £5,590 and £535 for two years from 1 July 1965 for an investigation in the Department of Civil and Municipal Engineering on the nature of turbulence in hydraulic channels, and its effect on sediment transport and scour.

(6) A grant of £23,750 for three years from 1 August 1965 for investigation in the Department of Geology on effects of pressure and temperature on the deformation and fracture of rocks, mineral crystals and related materials, with particular application to problems of geotectonics.

(7) A grant of £2,516 for one year from 1 August 1965 for an investigation in the Department of Biochemistry on metabolic regulation in bacteria.

(8) A grant of £1,444 for two years from 1 August 1965 for investigation in the Department of Physics on small angle scattering in ion-atom collisions.

(9) A grant of £50,000 for twenty-two months from 1 October 1965 for a space research programme in the Department of Physics.

(10) A grant of £45,086 for two years from 1 October 1965 for the construction in the Department of Physics of an on-line wire spark chamber.

(11) A grant of £10,155 for twenty-two months from 1 October 1965 for investigation in the Department of Physics on pattern recognition matrices.

(12) A grant of £6,000 for one year from 1 October 1965 for a design and cost study in the Department of Physics of a precisely stabilised platform for balloon-borne experiments.

(13) A grant of £3,155 for three years from 1 October 1965 for an investigation in the Department of Zoology and Comparative Anatomy on sensory and motor interactions in lepidoptera.

(14) A grant of £2,997 for one year from 1 October 1965 for research in the Department of Chemistry on high pressure X-ray and neutron diffraction.

(15) A grant of £2,950 for two years from 1 October 1965 for investigation in the Department of Physics on collisional excitation of forbidden lines in gaseous nebulae.

(16) A grant of £2,254 for one year from 1 October 1965 for investigation in the Department of Physics on electron scattering by alkali atoms.

(17) A grant of £95 for November/December 1965 for a senior visiting fellowship for a member of staff of the Department of Chemistry.

(18) A grant of £5,840 for three years from 17 November 1965 for investigations in the Department of Anatomy and Embryology on the visual motor system in cephalopods.

(19) A grant of £4,300 for one year from 1 January 1966 for nuclear magnetic resonance studies in the Department of Chemistry of inorganic compounds at 100 M/cs.

(20) Grants of £500 for one year from 1 January 1966 and £4,775 for three years from 1 May 1966 for investigations on environmental design in the Bartlett School of Architecture.

(21) A grant of £5,155 for one year from 1 March 1966 for biochemical research in the Department of Biochemistry requiring liquid scintillation counting.

(22) A grant of £7,925 for two years from 1 April 1966 for investigations

in the Department of Civil and Municipal Engineering on a stroboscopic technique for the analysis of dynamic stress distributions.

(23) A grant of £1,485 for one year from 1 April 1966 for investigations in the Department of Physics on kinetics of excitation reactions in electrical discharges.

(24) A grant of £1,250 for one year from 1 April 1966 for the Department of Astronomy for equipment for visual observers of satellites.

(25) A grant of £10,875 for three years from 1 June 1966 for investigations in the Department of Astronomy on solar activity.

(26) A grant of £20,488 for three years from 1 October 1966 for investigations in the Department of Chemical Engineering on fundamental fluidisation research.

(27) A grant of £8,100 for three years from 1 October 1966 for the Department of Chemical Engineering for production and development of water-insoluble derivitives of enzymes.

(28) An additional grant of £8,788 with an extension of date to 31 July 1967 for research with the emulsion group in the Department of Physics.

(29) Additional grants of £1,379 with extension of date to 31 July 1967 and £386 with extension of date to 30 September 1966 for spectropolarimetric investigation in the Department of Biochemistry of the mechanism of enzyme action.

(30) An additional grant of £800 with extension of date to 31 July 1967 for an investigation in the Department of Physics involving measuring and data reduction concerned with bubble chamber photographs.

(31) An additional grant of £5,654 with extension of date to 30 September 1967, for study in the Department of Astronomy of the nature of lunar surface features.

Scottish Education Department

A grant of £1,000 for one year from 1 April 1966 for research in the Communication Research Centre on linguistics and the teaching of English.

Shell Grants Committee

A grant of £750 per annum for three years from 1965–66 for the Bartlett School of Architecture for use at the discretion of Professor R. G. Hopkinson.

Shellmex-B.P.

A grant of £1,000 per annum for seven years under covenant for the Department of Civil and Municipal Engineering to initiate a Chair of Traffic Studies and to support the work of a research group.

Smith Kline and French Research Institute

A grant of £600 for the year 1965–66 for a scholarship in the Department of Pharmacology.

Span Developments Limited

A grant of £4,000 from 1 January 1966 for surveys in the Bartlett School of Architecture relating to the social development of the village of New Ash Green, with particular reference to the evolution of the village as a community.

F. Sproxton

A grant of £1,000 for the Department of Chemistry to start a Norman Collie Fund to help postgraduates in the purchase of materials or apparatus for their

research, and for the provision of scientific text books and research monographs for the Ramsay Reading Room.

Standard Telecommunication Laboratories Limited

A grant of £1,000 for one year from 1 October 1965 for study in the Department of Electrical Engineering of piezoelectric phenomena in semiconductors.

Mrs D. V. Sutton

A gift to the College of technical books and two microscopes which belonged to the late Dr R. J. Ludford, a former Fellow of University College London.

The Swedish Institute for Cultural Relations

Grants of £75 for the year 1964–65 and £100 for the year 1965–66, being a contribution towards providing the allowance payable to a visiting Professor of Scandinavian Studies.

Tin Research Institute

A grant of £600 per annum for two years from 1 October 1965 for a research studentship in the Department of Chemistry.

Unilever Limited

Grants of £677 for the year 1964–65 and £700 for the year 1965–66 and the year 1966–67 for research in the Department of Chemistry in connection with terpene chemistry.

United Kingdom Atomic Energy Authority

(1) A grant of £6,500 for three years from 1 January 1966 for investigation in the Department of Mechanical Engineering on two-phase liquid flow in ducts having porous walls.

(2) A grant of £5,040 for three years from 1 October 1966 for investigation in the Department of Astronomy on interpretation of solar and laboratory plasma spectra.

United States Air Force

(1) A grant of $10,000 for one year from 1 May 1966 for research in the Department of Phonetics on speech analyser systems.

(2) An additional grant of $25,000 with extension of date to 31 January 1967 for research in the Department of Physics on determination of air density, temperature and winds at high altitudes.

United States Army Procurement Centre

A grant of £3,120 for one year from 1 January 1966 for investigation in the Department of Electrical Engineering of a method for modulation of a beam of light at megacycle order frequencies.

United States Department of Health, Education and Welfare—National Institutes of Health

(1) Grants of $2,913 for one year from 1 June 1965 and $17,908 for one year from 1 June 1966 for research in the Department of Phonetics on the effect of drugs on speech production.

(2) A grant of $500 for one year from 15 August 1965 for the Department of Psychology for a fellowship supply allowance.

(3) A grant of $500 for one year from 29 August 1965 for the Department of Botany for expenses of the National Institutes of Health Fellow.

(4) A grant of $500 for one year from 1 September 1965 for a fellowship expenses allowance in the Department of Zoology.

(5) A grant of $500 for one year from 1 October 1965 for the Department of Physiology for expenses of the National Institutes of Health Fellow.

(6) A grant of $500 for one year from 2 October 1965 for a fellowship expenses allowance in the Department of Physiology.

(7) A grant of $34,792 for one year from 1 March 1966 for the Departments of Psychology and Pharmacology, and the Department of Psychology at Birkbeck College, for research on the psychopharmacology of learning, perception, and skill, under the direction of Professor A. Summerfield.

(8) A grant of $7,792 for one year from 1 April 1966 for research in the Department of Biochemistry on computer simulation of metabolic control.

(9) A grant of $500 for one year from 1 July 1966 for a fellowship expenses allowance in the Department of Civil and Municipal Engineering.

(10) A grant of $4,673 for approximately one year from 1 June 1966 for research in the Department of Civil and Municipal Engineering on multilayer filtration.

(11) A grant of $500 for one year from 1 October 1966 for a fellowship research allowance in the Department of Physiology.

United States Navy

(1) Grants of £5,515 for one year from 1 June 1965 and £5,515 for one year from 1 June 1966 for research in the Department of Physics on atomic processes.

(2) An additional grant of $9,584 with extension of date to 30 September 1967 for research in the Department of Astronomy on the collapse and fragmentation of interstellar and intergalactic clouds and associated problems.

The Wellcome Trust

(1) A grant of £3,028 for three years and six months from 1 March 1966 for research in the Department of Chemical Engineering on tissue culture of mammalian cells.

(2) A grant of £60,000 for the Department of Biophysics to build an extension on the fifth and sixth floors of the Biological Sciences Building.

Wenner-Gren Foundation for Anthropological Research Incorporated

A grant of £1,245 13*s.* 2*d.* for approximately one year from 1 September 1965 for research in the Department of Anthropology on population genetics and ecology of the Hadza of Tanzania.

Wolfson Foundation

A grant of £25,000 to provide facilities for the Department of Human Genetics and Biometry.

Geoffrey Woods Limited

A grant of £1,800 for three years from 1 October 1965 for research in the Department of Mechanical Engineering on the design of mixed flow fans.

BENEFACTIONS AND DONATIONS TO THE LIBRARY

The Library learned with great regret of the death of D. Orson Wood in December 1965. Mr Wood bequeathed to the Library some six hundred works, mainly on physics.

Dr Grace Eggleton presented a useful collection of musical scores, and the Provost, Sir Ifor Evans, donated sixty-three volumes, including much modern poetry, which valuably supplemented the extensive collection he generously gave in 1961.

Professor A. V. Hill presented to the Thane Library the medal struck to commemorate the twenty-third International Congress of Physiological Sciences, Tokyo, 1965. This was added to the collection of these medals already in the Library.

Other notable gifts which the Library was very pleased to receive were many works on Latin American history and economics from Professor R. A. Humphreys, works on architecture and building practice from Professor D. A. Turin and a substantial selection of volumes of general anthropological interest made on behalf of the International African Institute by Professor Daryll Forde, who is its Director.

The most important event in the manuscript collections during the session was the arrival of the Sharpe, Rogers, Reid, and Kenrick family papers, the gift of Professor E. S. Pearson. These cover the late eighteenth and early nineteenth centuries. Samuel Sharpe, the Egyptologist and translator of the Bible, was an early and generous benefactor of University College and of the Library, and it is most fitting that the papers should be in the College. The Kenrick family includes two Unitarian theological scholars, John Kenrick and Timothy Kenrick, both prolific contributors to the literature of this period. Samuel Rogers assisted Crabb Robinson in the creation of the Flaxman Gallery.

The lecture notes of Professor Tancred Borenius, professor of the History of Art from 1922 to 1947, have been generously donated to the College by his widow. They contain courses of lectures given to Slade students, mostly on Italian Renaissance art, but also covering some aspects of Spanish, Dutch, and French art. The history of art teaching is studied in three most interesting papers.

William Townsend, Reader in Fine Art in the Slade School, deposited his private journals and other relevant papers in the College Library.

APPENDIX XIII

COLLEGE ACCOUNTS 1965–66

The Balance Sheet and the Income and Expenditure Account for the year will be found on pages 112–15.

BALANCE SHEET

LIABILITIES

The Capital Account increased by £596,622, which is mainly attributable to receipts from donors and capital grants towards the acquisition of property.

ASSETS

Freehold Land and Buildings increased by £629,815, which is represented by the purchase of 4–8 Endsleigh Gardens and a number of minor properties.

TRUST FUNDS

The College holds endowments in the form of 186 separate trust funds with a total value of £1,072,810. The funds yield a total income of £71,000 p.a.

INCOME AND EXPENDITURE

The expenditure for the year exceeded the income by £5,507, as compared with £6,019 for the previous year.

Income, including for the first time in the Accounts Research Grant receipts and Research Training Support Grants, exceeded that of 1964–65 by £604,848, of which £441,451 represented increased grants from the Court of the University including £135,000 for expansion under the Robbins programme. Fees increased by £16,075, due to the increase in the number of students

Expenditure was £604,336 more than in 1964–65. Of this sum £391,656 was spent upon academic activities: this included a number of new academic appointments, the continuing effect of the 1964 Salaries Award, and the implementation of a further Salaries Award from 1 April 1966. An increase in the establishment for Technicians and salaries awards during the year accounted for additional expenditure of £100,298. Maintenance of Premises required an extra £116,602, which included an increase of £53,587 in General Rates upon College properties.

Income and expenditure under the main classifications in 1965–66, as compared with 1964–65 and with the corresponding year of the previous quinquennium, are shown in the following table.

	1960–61		1964–65		1965–66	
EXPENDITURE	£	%	£	%	£	%
Salaries and Pensions of Teaching Staff ..	986,402	43·0	1,631,264	40·9	1,761,552	38·4
Departmental Expenses, including Library	476,397	20·8	850,675	21·4	1,059,007	23·1
Research Grants ..	315,800	13·8	664,655	16·7	757,530	16·5
Maintenance of Premises	302,026	13·2	491,863	12·4	616,511	13·4
Administration ..	144,537	6·3	231,078	5·8	261,069	5·7
Other	67,764	2·9	112,984	2·8	131,186	2·9
	£2,292,926	100·0	£3,982,519	100·0	£4,586,855	100·0
INCOME						
Endowments ..	54,737	2·4	63,402	1·6	62,198	1·4
Grants	1,700,072	74·1	2,889,210	72·7	3,330,661	72·7
Donations	22,390	1·0	29,963	0·7	52,354	1·1
Fees	172,945	7·5	252,255	6·3	268,316	5·9
Grants for Research	315,800	13·8	664,655	16·7	757,530	16·5
Research Training Support Grants ..	—	—	34,871	0·9	36,849	0·8
Other	27,988	1·2	42,144	1·1	73,440	1·6
	£2,293,932	100·0	£3,976,500	100·0	£4,581,348	100·0

EXTRA-BUDGETARY ACTIVITIES

The College administers the finances of many research projects supported from outside sources. 270 were being pursued actively at 31 July 1966. Receipts of research grants were £657,200 compared with £616,673 in 1964–65, and payments rose from £664,655 in 1964–65 to £757,530 in 1965–66.

CAPITAL GRANTS

Capital grants made during the year 1965–66 were as follows:	£
Chemistry Building, Stage I: Scientific equipment	61,836
Adaptations in Biochemistry, Physiology, and Civil and Municipal Engineering:	
Building work	12,059
Professional fees (Biochem.)	35
Furniture and equipment	2,582
Engineering Building, Stages I and II: Additional cost of scientific equipment for Mechanical Engineering	7,490

Redevelopment of Southern part of College Rectangle: Preliminary study	105
New Building at 2–10 Euston Buildings for Eugenics, Biometry and Genetics: Scientific equipment	57,388
Physics Extension:	
Professional fees	24,066
Scientific equipment—interim grant	10,000
Adaptations for Civil Engineering and Geology:	
Furniture and equipment	9,403
Professional fees (balance)	11,850
32 and 34 Fitzroy Street, W1 (payment to Ministry of Housing and Local Government under Town and Country Planning Act 1954)	2,220
Conversion of 33–35 Daws Lane, NW7 for Department of Astronomy:	
Professional and legal charges	222
Building work	4,080
Furniture and equipment	3,267
Adaptations in Civil and Municipal Engineering Building:	
Professional fees	990
Adaptations in Bartlett School of Architecture:	
Building work	4,829
Furniture and equipment	2,712
Adaptations of Holmbury House for Physics Department:	
Building work—contributions by University	19,000
Scientific equipment	85,000
Furniture and equipment	2,634
Alterations in Department of Zoology:	
Building work	9,449
Furniture and equipment	3,824
Purchase of 4–8 Endsleigh Gardens	560,000
Building work	4,394
Engineering Building, Stage IV: Building work	191,487
Conversion of Chaucer House and former National Central Library:	
Building work	148,980
Engineering Building, Stage III: Analogue Computer	21,025
	£1,260,927

SCHOLARSHIPS AND PRIZES

Expenditure amounted to £36,279. Awards were made as under:

	Undergraduate	*Postgraduate*
	£	£
From Endowments	1,782	4,590
„ Donations	1,022	22,733
„ General Income	4,030	1,054
„ General Income: Exhibitions, Bursaries, and Special Remissions	452	116
	£7,286	£28,493

31-7-65 £		£
9,914,315	Capital Account	10,510,937
18,001	Redemption Funds	19,402
163,007	Loans	143,668
10,475	Income and Expenditure Account	4,968
10,105,798		10,678,975
631,833	Sundry Funds	723,160
431,120	Unexpended Balances	371,612
272,384	Current Liabilities	365,905
11,441,135		12,139,652
1,067,897	Trust Funds	1,072,810

NOTE

The College freehold properties were revalued during 1959 on the basis of current land values and estimated building costs, by the College authorities with professional assistance from Quantity Surveyors. Accordingly these properties are stated at the 1959 valuation with subsequent additions at estimated cost.

No value is included in capital account for furniture and equipment.

£12,509,032	£13,212,462

We have audited the above balance sheet and the annexed income and expenditure thereon, a true and fair view of the state of affairs of University College London (*b*) moneys expended during the year out of non-recurrent grants received from the

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23rd November 1966.

31-7-65 £		£
10,100,560	FREEHOLD LAND AND BUILDINGS—see note below	10,730,375
140,499	LEASEHOLD LAND AND BUILDINGS	135,015
10,241,059		10,865,390
62,698	CAPITAL AND OTHER WORKS IN PROGRESS *less* capital grants and other capital receipts	133,878
542,704	INVESTMENTS .. .. (*Market Value of Stock Exchange Securities and other Investments at 31st July 1966, £448,661: 31st July 1965, £553,295*)	438,220
236,961	EXPENDITURE RECOVERABLE FROM FUTURE GRANTS	338,785
57,782	CAPITAL WORKS—Expenditure in respect of Suspended Works ..	—
299,931	CURRENT ASSETS including prepayments	363,379
11,441,135		12,139,652
1,067,897	TRUST FUNDS	1,072,810
£12,509,032		£13,212,462

account. In our opinion (*a*) the said accounts give, on the basis indicated in the notes at 31st July 1966, and of the income and expenditure for the year ended on that date: University Court and other funds administered by the College for specific purposes have been properly applied to those purposes.

PRICE WATERHOUSE & CO.
Chartered Accountants

1964–65 £	EXPENDITURE		£	£
	ADMINISTRATION			
170,171	Salaries		183,912	
48,008	Advertising, Printing, Stationery, Postage, and Telephone		63,039	
12,899	Other Expenses (including Professional Fees)		14,118	
(231,078)				261,069
	ACADEMIC DEPARTMENTS			
1,610,987	Salaries of Teaching Staff		1,740,316	
370,585	Departmental Wages: Technical Staff		470,883	
87,517	Departmental Wages: Secretarial Staff		104,918	
286,912	Departmental and Laboratory Maintenance		320,888	
	Libraries: Salaries	78,122		
	General Expenditure	58,369		
122,386			136,491	
664,655	Research Expenditure covered by grants on Research Contracts		757,530	
7,313	Other Expenditure		10,985	
(3,150,355)				3,542,011
	MAINTENANCE OF PREMISES			
94,881	Rates		148,468	
6,504	Insurance		11,821	
	Rent and other payments for use of buildings:			
	Halls of Residence	10,816		
	Other Buildings	31,388		
40,643			42,204	
91,535	Heat, Light, Water and Power		101,652	
201,135	Repairs and Maintenance of Buildings including amounts set aside for long-term maintenance		233,940	
47,712	Wages of Porters and Attendants		60,257	
6,121	Other Expenses		6,791	
488,531)				605,133
	GENERAL EDUCATIONAL			
1,835	Examinations		2,765	
16,547	Scholarships and Prizes		35,779	
1,261	Public Lectures		1,015	
3,000	Staff Attendance at Conferences		4,000	
199	Other Items		160	
22,842)				43,719
	STUDENT FACILITIES AND AMENITIES			
35,410	Grant to Students' Union		39,000	
4,597	Salaries: Wardens of Halls of Residence		5,637	
4,647	Student Health Service		5,999	
3,042	Students' Purposes Fund		4,746	
215	Crabb Robinson Fund		226	
213	Ealing Hall Fund		294	
5,240	Central Admissions Scheme		5,285	
2,500	Furniture for Student Houses		—	
4,469	Careers Office		4,542	
(60,333)				65,729
	MISCELLANEOUS			
20,277	Staff Pensions		21,236	
825	Grants from Benevolent Fund		968	
367	Grants from Bawden Fund		30	
1,396	Interest on Overdrafts, etc.		654	
5,587	Sundries		9,963	
	Deficits on Income and Expenditure Account for Halls of Residence, Refectories, etc.			
1,200	Refectory: College Subvention	1,350		
14	Trading Loss written off	6,773		
			8,123	
(29,666)				40,974
	CAPITAL EXPENDITURE MET FROM INCOME			
3,420	Gordon Street Frontage		—	
11,000	Biological Sciences—Ventilation		—	
6,000	Provision—extra contractual claims		—	
—	Holmbury House		2,000	
(20,420)				2,000
	ALLOCATION TO (FROM) RESERVES:			
−21,332	Departmental Maintenance		20,144	
−2,706	Library		−5,302	
6,976	Repairs and Maintenance of Buildings		415	
−3,644	Petty Works		10,963	
(−20,706)				26,220
£3,982,519				£4,586,855
6,019	Excess of Expenditure over Income for the year			5,507
10,475	Balance, 31st July 1966, carried to Balance Sheet			4,968
£16,494				£10,475

INCOME

1964–65 £		£	£
	ENDOWMENTS		
63,402	Income of Trust Funds appropriated for purposes specified by Trust against expenditure included opposite		62,198
	DONATIONS AND SUBSCRIPTIONS: Appropriated for:		
320	Special Purposes	1,613	
4,307	Scholarships and Bursaries	22,733	
22,363	Salaries and Superannuation	24,564	
2,973	Departmental and Laboratory Maintenance	3,444	
(29,963)			52,354
	GRANTS FROM UNIVERSITY COURT		
2,721,492	General	3,077,000	
	Earmarked:—		
—	Academic salary increases 1966 Scheme	30,079	
60,350	Former Research Councils	62,350	
9,665	Medical Education	10,105	
95,303	Rates	148,252	
2,400	Hayter Committee	2,875	
(2,889,210)			3,330,661
34,871	RESEARCH COUNCIL TRAINING SUPPORT GRANTS		36,849
	FEES		
250,665	General	266,740	
1,042	Examination and Registration	1,008	
548	Exhibition Bursaries and Special Remissions	568	
(252,255)			268,316
664,655	GRANTS FOR RESEARCH, including research contracts		757,530
12,173	CONTRIBUTIONS FOR SERVICES RENDERED		16,469
	SURPLUS FROM INCOME AND EXPENDITURE ACCOUNTS FOR COLLEGE PROPERTIES, HALLS OF RESIDENCE, REFECTORIES, ETC.		
8,053	College Properties		13,921
21,514	OTHER ITEMS		37,036
	ALLOCATION FROM RESERVE:		
404	Former Research Councils Grant		1,014
—	Lectureships met from Donations		5,000
(3,976,500)			4,581,348
6,019	EXESS OF EXPENDITURE OVER INCOME FOR THE YEAR		5,507
£3,982,519			£4,586,855
16,494	Balance as at 1st August 1965		10,475
£16,494			£10,475

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